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DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
DIVISION OF HIGHWAYS

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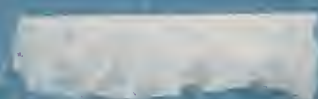
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PRESENT AND FUTURE IMPROVEMENT NEEDS  
OF THE  
PRIMARY AND FEDERAL-AID SECONDARY  
HIGHWAY SYSTEMS



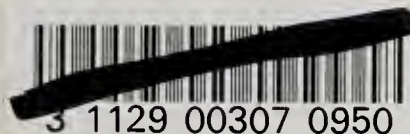
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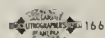


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HIGHWAY SYSTEMS



APRIL 1951



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STATE OF ILLINOIS  
ADLAI E. STEVENSON, GOVERNOR  
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS

CHAS. P. CASEY, DIRECTOR

DIVISION OF HIGHWAYS

SPRINGFIELD

April 2, 1951

FRANK N. BARKER  
~~CLIFFORD M. HATHAWAY~~  
CHIEF HIGHWAY ENGINEER

Honorable Chas. P. Casey, Director  
Department of Public Works and Buildings  
State Capitol Building  
Springfield, Illinois

Dear Director Casey:

I am transmitting herewith a report entitled PRESENT AND FUTURE IMPROVEMENT NEEDS OF THE PRIMARY AND FEDERAL AID SECONDARY HIGHWAY SYSTEMS, prepared by this Division. The study of the primary system was made by the staff of the Division and that of the Federal-aid secondary system was made by the several county superintendents of highways under uniform methods prescribed by this Division.

The report is commended to your attention with my opinion that it is a conservative estimate, fairly made, of the improvement needs of these two highway systems. In its preparation we have tried to avoid as much technical detail as possible in view of the proposal for giving its contents the widest distribution. It is supported, however, by a large volume of detailed information which is available for administrative use by the Division and to satisfy specific local questions by the legislature or the public.

Very truly yours



F. N. Barker  
Chief Highway Engineer



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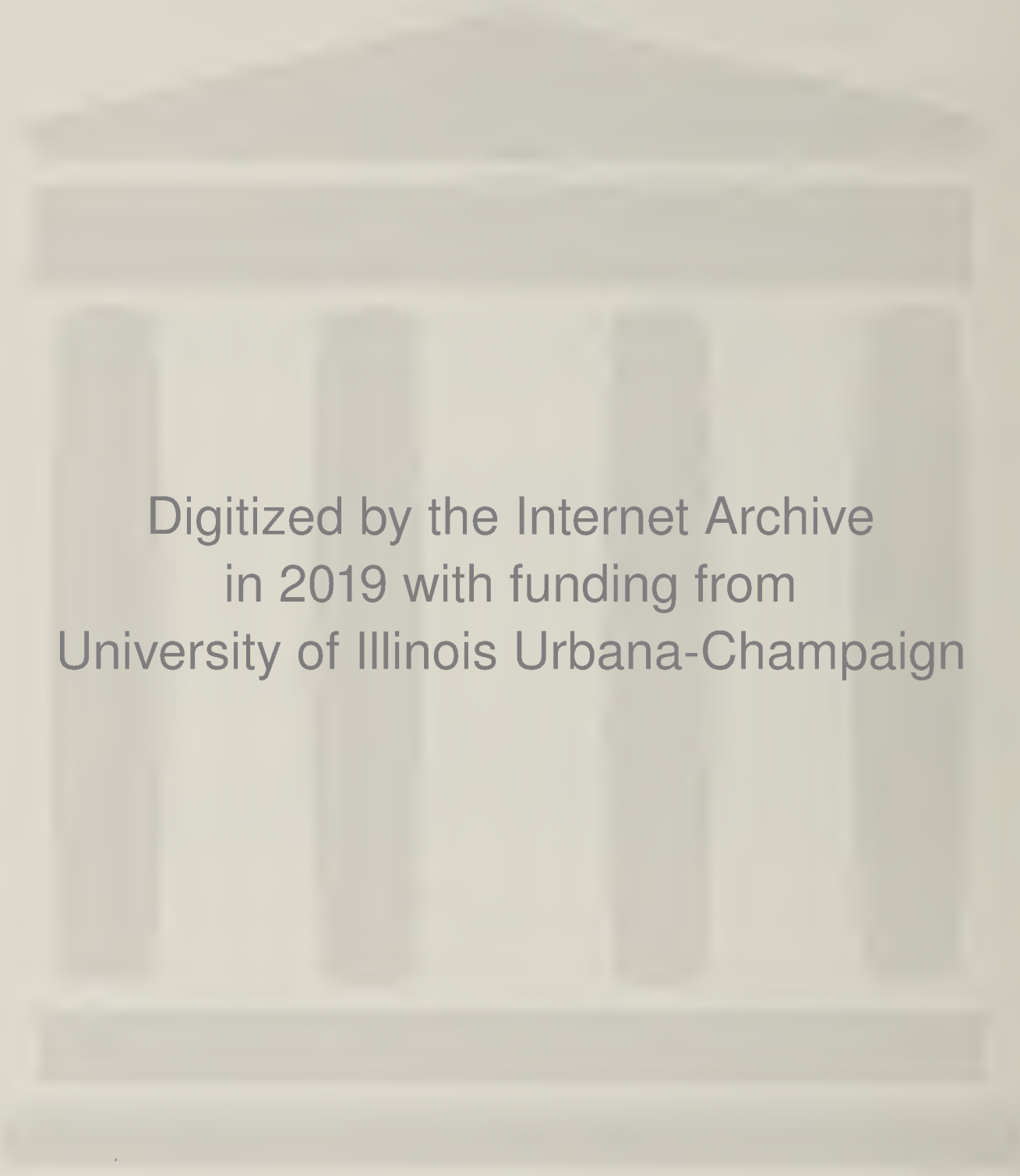
## APPENDIX

### MAPS

- I. Map of Improvements Needed to Meet Present Deficiencies of the Primary System and Those Estimated to Occur in the Period 1951 to 1960 Inclusive.
- II. Map of Improvements Needed to Meet Present Deficiencies of the Federal-aid Secondary System and Those Estimated to Occur in the Period 1951 to 1955 Inclusive.

### TABLES

- III. Improvements Needed to Meet Present Deficiencies of the Primary and Federal-aid Secondary Highway Systems and Those Estimated to Occur in the Period 1952 to 1960 Inclusive (21 Pages).



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## I. INTRODUCTION

One of the most critical problems confronting the people of the State of Illinois today is the task of rehabilitating the public roads of the State. This problem is not confined to any one governmental agency, but affects alike the roads of the State primary system, the county system, the township and road district system, and the municipal system of streets.

In order to determine just how serious this problem has become and to present the facts to the people of the State and to the legislature for appropriate action, the Division of Highways made a complete, comprehensive study of the condition of the several road systems during 1950.

This report presents the situation in regard to the State system of primary roads and of the county Federal-aid secondary system. However, it should not be construed as a definite plan for meeting the needs but merely as a presentation of the problem confronting the people of the State.

No legislative proposal has yet been considered which would provide sufficient funds for meeting all of the deficiencies which are shown in this report as occurring within a 10-year period. It is intended, however, that by the intelligent use of a priority rating system, those highways in greatest need of improvement will receive the earliest attention and that the correction of less critical deficiencies may need to be deferred beyond the 10-year period of this study.



## II. THE PRIMARY SYSTEM

1. THE PRIMARY SYSTEM DEFINED.--The primary system, which may be thought of, in general, as those roads carrying either US or Illinois route marking, comprises all roads built or utilized as part of the State bond issue network of highways; all roads built or improved as regular Federal-aid highways; all beltline and other roads and streets constructed under the authority of the System of State Highways Act; and all roads and bridges constructed as specific House or Senate Bill Roads. At the present time this system consists of approximately 10,417 miles of rural highways and 1,728 miles of streets within incorporated areas.

2. THE SITUATION.--The magnitude of the task facing the people of the State in regard to the State primary system is disclosed by the survey of the needs of the system made in 1950. The detailed findings of this survey are summarized and a State map showing the location of the deficiencies and tables showing the mileage of road deficient and the cost of meeting the deficiencies in each county are contained in this report.

In summary, the survey found over 60 per cent of the rural primary system and 57 per cent of the urban primary system to be in need of improvement by 1960. It further revealed that over 41 per cent of the rural portion and over 42 per cent of the urban portion of the primary system is deficient at the present time.

### III. FACTORS CREATING THE SITUATION

The extensively deficient condition of the primary system is the result of a number of factors of which the principal ones have been the continually increasing travel on the highways by larger, heavier vehicles and the advanced age of the pavements.

1. THE INCREASE IN THE USE OF HIGHWAYS.--Since the bulk of the primary system was built the number of motor vehicles, the amount of travel, and the size and weight of the vehicles have increased many times.

(a) The Number of Motor Vehicles.--The population of Illinois has increased from 5,638,591 persons in 1911 to 8,712,176 in 1950, an increase of 55 per cent. During the same period the number of motor vehicles registered in the State increased from 38,269 to 2,649,547, an increase of 592 per cent.

#### COMPARISON OF NUMBER OF VEHICLES REGISTERED WITH POPULATION OF ILLINOIS

Year	Population	No. of Passenger Cars	Persons Per Passenger Car	Number of Trucks	Persons Per Truck	Total No. of Vehicles	No. of Persons Per Vehicle
<u>1/</u> 1911	5,638,591	<u>2/</u> -	<u>2/</u> -	<u>2/</u> -	<u>2/</u> -	38,269	147.3
1920	6,485,280	503,762	12.9	64,997	99.8	568,759	11.4
1930	7,630,654	1,429,146	5.3	209,114	36.5	1,638,260	4.7
1940	7,897,241	1,707,512	4.6	228,889	34.5	1,936,401	4.1
1950	8,712,176	2,286,572	3.8	362,975	24.0	2,649,547	3.3

1/ 1910 Census.

2/ All motor vehicles were registered in a single class.

Of particular significance in the above tabulation is the decrease in the ratio of persons per vehicle. In 1920 there was one passenger car for every 13 persons, but by 1950 the number of passenger cars has increased until there is one car for every 4 persons. Of even greater significance is the increase in the number of

# VEHICLE REGISTRATIONS IN ILLINOIS 1911 TO 1950

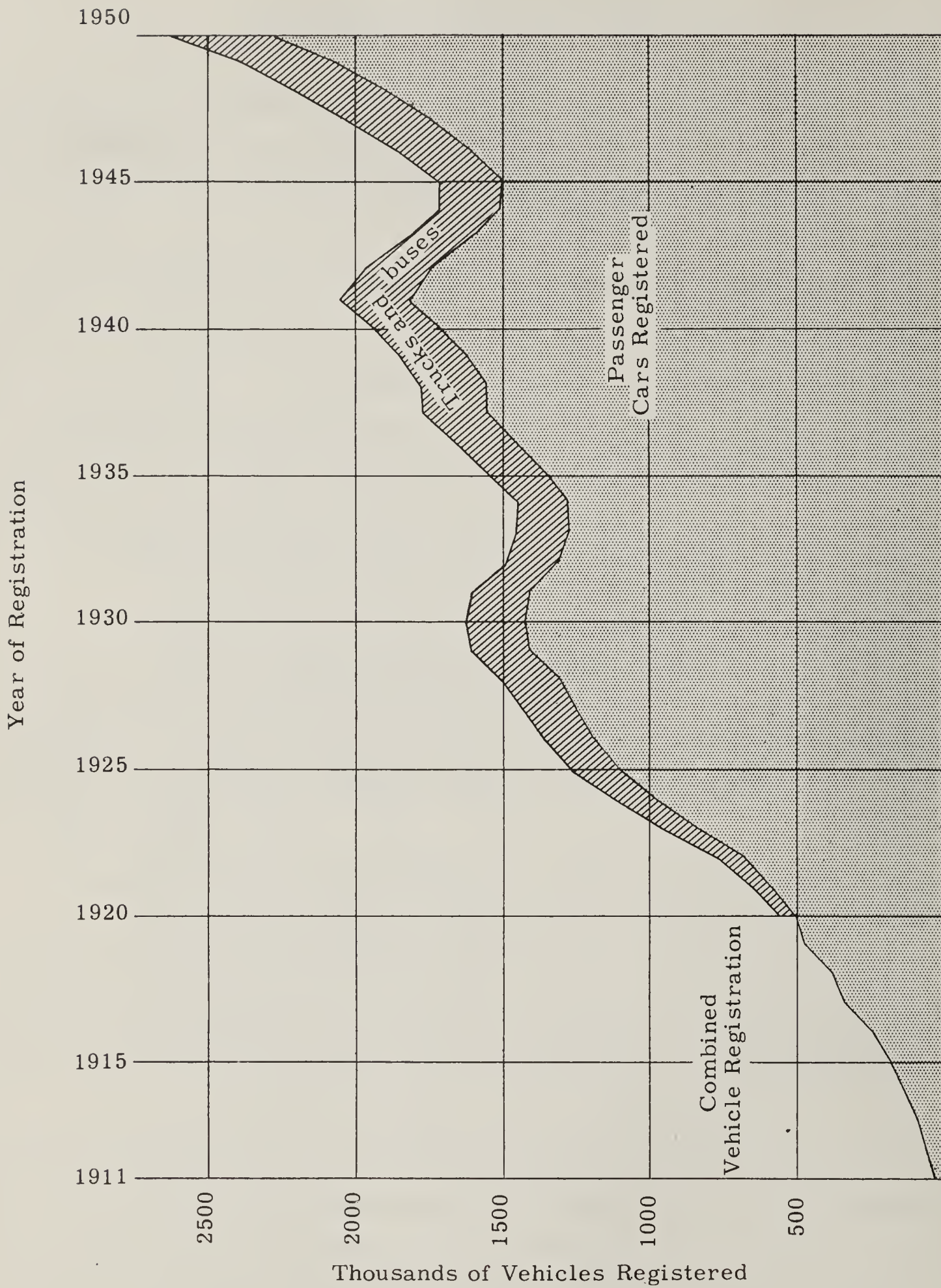


Chart I



trucks. In 1920 there was one truck for every 100 persons. Now there is one truck for every 24 persons.

The annual trend in motor vehicle registration is shown in Chart I.

(b) The Amount of Travel.--The increase in vehicle registration has resulted in a greatly increased use of the roads.

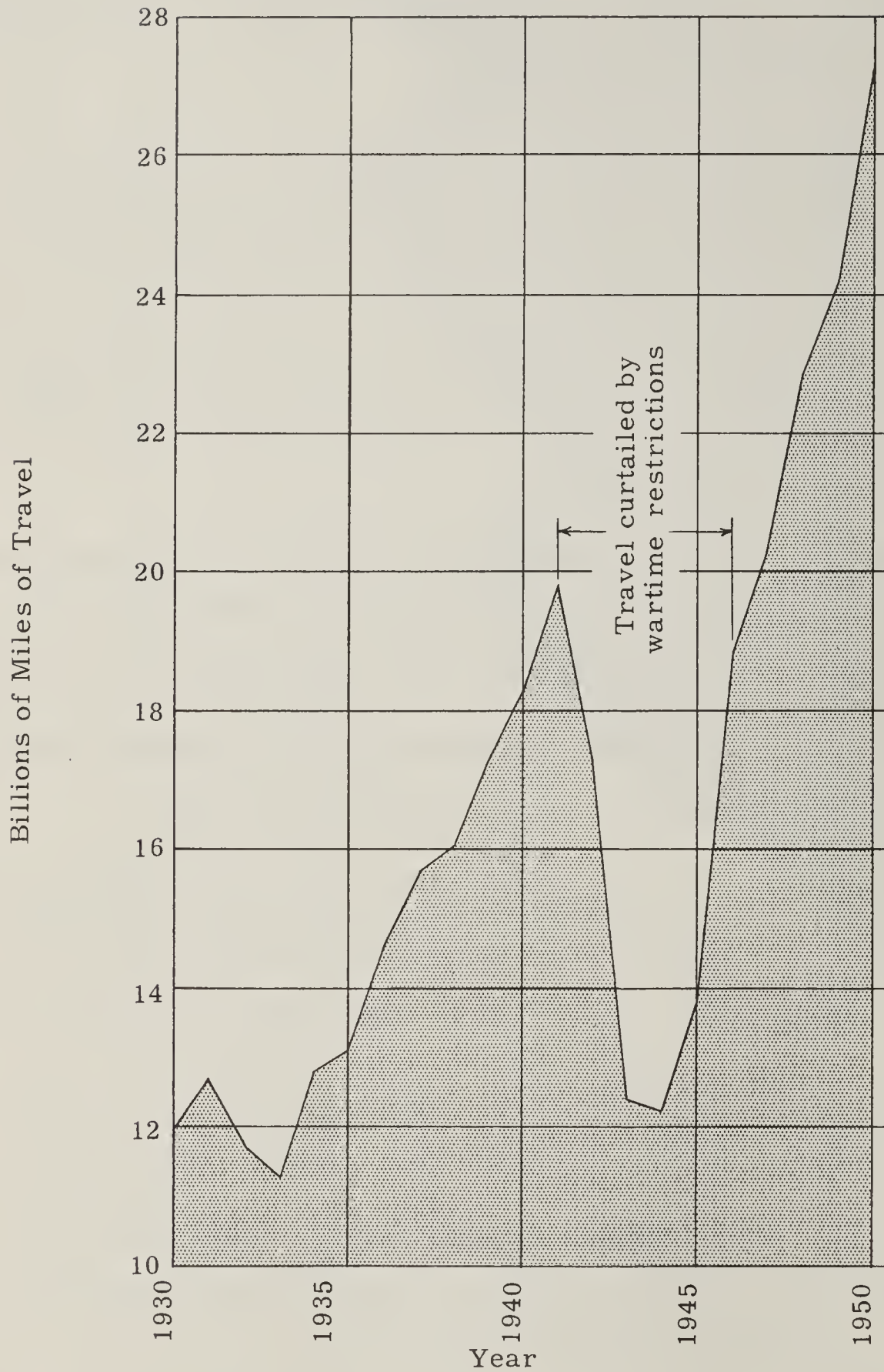
In 1930 there were 1,638,260 vehicles registered which traveled an estimated 11,980,759,000 annual vehicle miles. In 1950 there were 2,649,574 vehicles registered which traveled 27,303,582,000 annual vehicle miles. In the 20-year period from 1930 to 1950 an increase of about 62 per cent in vehicle registrations has resulted in an increase of over 128 per cent in road use as evidenced by comparing the vehicle miles of travel in 1930 and 1950. Chart II shows the increase in vehicle miles of travel since 1930.

The increase in road use has been general over the entire primary system. In 1936 there were 1,140 miles of road carrying over 2,000 vehicles per day as compared to 2,545 miles of road serving over 2,000 vehicles per day in 1947. Conversely, the mileage of primary highways carrying less than 500 vehicles per day has decreased from 1,800 miles in 1936 to 575 miles in 1947.

A comparison of the relative rates of increase of the total traffic with the commercial traffic on the primary system during the period from 1936 to 1950 is of even greater significance. During this period the total traffic increased about 87 per cent but the commercial traffic increased 140 per cent.

The increase in commercial traffic was greatest in the heavier trucks. The number of single-unit trucks increased 97 per cent from 1936 to 1950. However, during this same period of time, the number of truck-tractor semi trailer units increased 278 per cent.

# MILES OF VEHICLE TRAVEL PER YEAR





(c) The Weight of Commercial Vehicles.--Not only are there a larger number of trucks on the highways today but the average weight of the different types of trucks has steadily increased. The following two tabulations, taken from loadometer surveys made by the Division of Highways, illustrate this upward trend in the weight of commercial vehicles since 1936.

#### COMPARISON OF THE WEIGHT OF TRUCKS IN 1936, 1942, AND 1949

Type of Vehicle Weighed	Average Weight of Vehicles Weighed During Year					
	1936		1942		1949	
	Empty Pounds	Loaded Pounds	Empty Pounds	Loaded Pounds	Empty Pounds	Loaded Pounds
Single-unit truck	5,452	8,975	6,330	11,633	6,653	11,427
Truck-tractor semitrailer	11,736	24,868	16,144	30,676	18,919	35,864
Trailer combinations <u>1/</u>	13,982	31,881	15,909	32,613	25,209	62,855

1/ Includes combinations consisting of truck-tractor semitrailers with trailers as combinations as well as combinations of trucks with trailers.

#### COMPARISON OF AXLE LOAD OF TRUCKS IN 1936, 1942, AND 1949

Type of Vehicle Weighed	Average Axle Load of Loaded Vehicles Weighed During Year		
	1936 Pounds	1942 Pounds	1949 Pounds
Single-unit truck	6,221	7,512	7,585
Truck-tractor semitrailer	11,574	13,595	14,402
Trailer combinations <u>1/</u>	9,663	12,863	15,638

1/ Includes combinations consisting of truck-tractor semitrailers with trailers as combinations as well as combinations of trucks with trailers.

Thus, not only has the number of trucks using the roads increased many times but the weight of both loaded and empty vehicles has also increased.

The rate of increase in the weight of trucks from 1936 to 1949 has been much greater in the larger, heavier vehicles than in the smaller, lighter trucks. For example in the three types of trucks shown in the above tabulations the weight of the single-unit truck was 27 per cent greater in 1949 than in 1936; the truck-tractor semitrailer unit rate of increase was 44 per cent during the same period; and the weight of the trailer combination unit increased 97 per cent from 1936 to 1949.

The average axle load of each of these vehicles has also increased substantially during this period. Single-unit truck axle loads increased 22 per cent, truck-tractor semitrailer axle loads increased 24 per cent, and trailer combination axle loads increased 62 per cent.

2. THE AGE OF THE PAVEMENT ON THE PRIMARY SYSTEM.--In addition to the greatly increased use to which the highways are subjected is the added fact that the highways themselves are old.

Because of the nature of the records available, any analysis of the age of the existing pavement on the State primary system must be confined to the rural portion of the system. However, since there are 10,417 miles of rural road as compared with only 1,728 miles of urban road in the primary system such an analysis is indicative of the condition of the major portion of the system.

(a) Types of Road Surfaces Comprising the Rural Primary System.--The rural primary system is composed of the following types of road surfaces:

MILES OF VARIOUS TYPES OF ROADS COMPRISING  
THE RURAL PRIMARY SYSTEM

Amount of Each Type of Surface in System	Type of Road Surface					Total
	Block and Brick	Portland Cement Concrete	High Type Bituminous	Low Type Bituminous	Gravel or Earth	
Miles	135	8,818	1,083	335	46	10,417
Per cent of total	1.3	84.7	10.4	3.2	0.4	100.0

(b) Age of the Portland Cement Concrete Pavement.--The portland cement concrete pavement which comprises about 85 per cent of the primary system, is old both in actual years and in terms of pavement life. As a result of exhaustive studies in the field of pavement life, the life expectancy of this type of pavement has been determined to be about 26 1/2 years. The age of the portlant cement concrete pavement on the primary system is indicated below:

DISTRIBUTION OF PORTLAND CEMENT CONCRETE  
PAVEMENT BY AGE GROUPS

Amount of PCC Pavement in Each Age Group	Total	Age Group of PCC Pavement					
		Over 5 Years	Over 10 Years	Over 15 Years	Over 20 Years	Over 25 Years	Over 30 Years
Miles	8,818	8,659	8,377	7,707	5,502	2,760	282
Per cent of total	100.0	98.2	95.0	87.4	62.4	31.3	3.2

Approximately 31 per cent, or 2,760 miles of pavement is now over 25 years old and has about reached the end of its average service life; in 5 more years over 62 per cent, or 5,502 miles of pavement, will have about reached this point and in 10 more years over 87 per cent, or 7,707 miles of pavement, will have reached the average age limit for such surfaces.

This situation is the result of the manner in which the highways were constructed. The primary system was built in a relatively short time with money raised from the sale of 60 and 100 million dollar bond issues, passed in 1917 and 1923. Approximately 70 per cent of the construction of the concrete pavement on the primary system occurred between the years 1918 and 1933. The result, of course, has been that much of the highway system is wearing out at the same time and the funds now being received must be used in waging a losing battle to maintain, repair, and reconstruct the pavements built 20 to 30 years ago.



(c) Bituminous Pavements and Bituminous Resurfacing.--At the end of 1949 there were 1,083 miles of high type bituminous pavement on the rural primary system as compared with 28 miles at the end of 1941. The increase of 1,055 miles of this type of pavement has been the result of the Division of Highways work, which began in 1942, of extending the life of worn out concrete pavements by resurfacing them with a bituminous material. Not much is known about the life expectancy of these roads but it is believed that such a treatment will have an average life of about 15 years.

The following amounts have been resurfaced each year.

MILES OF BITUMINOUS RESURFACING ADDED TO THE RURAL  
PRIMARY SYSTEM EACH YEAR

Amount Resurfaced Each Year	Year								Total
	1942	1943	1944	1945	1946	1947	1948	1949	
Miles	132	117	120	124	68	168	165	161	1,055
Per Cent	12.5	11.1	11.4	11.8	6.4	15.9	15.6	15.3	100.0

Thus, of the resurfacing done since 1942 it would appear that over 35 per cent will have reached an age in excess of its average life expectancy before 1960.

(d) Effect of Age on Design Standards.--Another direct result of the age of the pavement is the deficiency of roads from a design standpoint. Roads built 20 or 30 years ago were not designed in contemplation of the fast speeds, heavy vehicles, and increased traffic which they must serve today. Consequently, a great many of them do not meet present day standards.

For example, present standards require a minimum surface width of at least 20 feet. However, over 70 per cent of the existing primary system has a surface width of less than 20 feet.

A similar situation exists in the case of curves, sight distances, shoulder widths, and both highway-railroad and highway-highway crossings. Higher speeds today necessitate longer, smoother curves and much longer sight distances. The increased traffic requires many more grade separations of both highway-railroad and highway-highway crossings.



#### IV. THE 1950 NEEDS SURVEY

In order to determine the effect of these conditions and the manner of meeting them, the Division of Highways made a complete comprehensive study of the condition of the primary system during 1950.

1. PROCEDURE USED IN MAKING THE 1950 SURVEY.--The method used in making the 1950 survey followed very closely the method used in a similar study made in 1947, reported in "A Highway Improvement Program for Illinois" by Griffenhagen and Associates.

The State is divided, geographically, into 10 highway districts for the purpose of administering the State system of highways. A district highway engineer is in charge of each district. In making the needs survey, the various district engineers were given the responsibility of reporting the condition and improvement needs of the roads in their district on the basis of their local knowledge and their engineering experience in observing the behavior of these pavements. The central office in Springfield controlled the work by issuing the original instructions, and a special committee of experienced engineers was established to coordinate and screen the reports of the several districts. The analysis of the district reports and final tabulations were made in the central office.

This procedure was followed so that the men most intimately concerned with the various roads, hence in the best position to know their true condition, would report on their needs. Control was exercised by the central office for the purpose of maintaining uniformity among the several districts and in analyzing the results.

2. SUMMARY OF THE NEEDS REPORTED IN 1950.--The 1950 needs survey revealed that over 60 per cent of the rural primary system and 57 per cent

of the urban primary system will be in need of improvement before 1960 and over 41 per cent of the rural portion and 42 per cent of the urban primary system is deficient at the present time. The following tabulation is an analysis of the miles of deficient pavement and the cost of meeting the deficiencies, exclusive of the needs of the Cook County Expressway System:

IMPROVEMENTS NEEDED TO MEET DEFICIENCIES ON THE PRIMARY SYSTEM  
IN THE PERIOD 1951 TO 1960 INCLUSIVE

Time of Need	Rural Needs		Urban Needs		Total Needs	
	Miles	Cost	Miles	Cost	Miles	Cost
Present	4,307.35	\$516,668,000	731.62	\$230,879,000	5,038.97	\$747,547,000
Future <u>1/</u>	1,983.82	138,870,000	258.62	39,451,000	2,242.44	178,321,000
Total	6,291.17	\$655,538,000	990.24	\$270,330,000	7,281.41	\$925,868,000

1/ Deficiencies estimated to occur in the period 1952 to 1960 inclusive.

3. DETERMINATION OF THE TYPE OF DEFICIENCY.--A road in need of improvement is either structurally deficient, functionally deficient, or both structurally and functionally deficient. A structurally deficient condition exists when a road is physically deteriorated. Some examples of this condition are surface failures, unstable subgrades, and both surface and base failures. A functionally deficient condition exists when the road is inadequate to serve, safely and expeditiously, the traffic upon it. Examples of this condition are narrow surface widths, short sight distances, sharp curves, and steep grades.

In making the needs study of the roads in their districts, each district engineer was required to report in what respect the various sections of roads were deficient. The determination of the structural condition of any particular road was based on the observed condition of the road. However, the determination of the functional condition of the roads was dependent on the amount of traffic on each section of road and the design standards to which the highway was built. A set

of minimum tolerable standards, somewhat below present design standards, was devised to be used in determining when a road is functionally deficient. Once a road was found to be deficient functionally, the type of work recommended was required to be sufficient to bring the road up to present design standards.

Table I is an analysis of the amount of road structurally or functionally deficient and the cost of meeting these deficiencies.

4. TYPE OF WORK RECOMMENDED TO MEET THE DEFICIENCIES.--In their recommendations for correcting the deficiencies of the roads, the district engineers were instructed to recommend that type of work which would utilize as much of the existing road as possible. This was done in an effort to keep the cost at a minimum. For example, roads on which there were surface failures would be resurfaced and not entirely rebuilt. Roads found too narrow would be widened. Obsolete curves would be realigned by using as much of the existing tangents as possible. The result of this procedure has been that the 1950 survey has reported many more miles of road deficient than the 1947 survey at only a slightly higher replacement cost. Table II, which is included at a later place in this report, is a comparison of the miles and cost of the type of work recommended in the 1950 and 1947 surveys.

5. NEEDS IN URBAN AREAS.--The map of the primary system which accompanies this report shows blank areas in and around certain of the urban areas in the State. The reason for showing such a blank area is that in these places further engineering studies need to be made to arrive at a final solution to the transportation problems involved. In nearly all of these places some preliminary studies have been made and tentative conclusions reached. Because the type of improvements contemplated can have a very profound effect upon residential and commercial developments, as well as upon real estate values, it has been decided

TABLE I  
AMOUNT OF DEFICIENCIES BY TYPE AND TIME OF THEIR OCCURRENCE

Type of Deficiency and Time of Occurrence	Urban Streets		Rural Roads		Total all Roads	
	Miles	Cost	Miles	Cost	Miles	Cost
Immediate Structural & Functional	159.77	\$ 27,212,000	1,145.47	\$ 95,598,000	1,305.24	\$122,810,000
Immediate Structural - Future Functional	8.12	801,000	98.37	5,334,000	106.49	6,135,000
Immediate Functional - Future Structural	285.54	41,905,000	2,144.58	162,624,000	2,430.12	204,529,000
Immediate Structural - Not Functional	66.38	5,214,000	375.26	16,747,000	441.64	21,961,000
Immediate Functional - Not Structural	211.81	155,747,000	543.67	236,365,000	755.48	392,112,000
Future Structural & Future Functional	42.50	4,044,000	326.01	20,946,000	368.51	24,990,000
Future Structural - Not Functional	193.23	11,044,000	1,461.14	47,040,000	1,654.37	58,084,000
Future Functional - Not Structural	22.89	24,363,000	196.67	70,884,000	219.56	95,247,000
Total	990.24	\$270,330,000	6,291.17	\$655,538,000	7,281.41	\$925,868,000



to omit the indication of definite map locations until it is certain that the best engineering solutions have been reached.

For the purpose of this needs report, however, cost estimates have been made to cover the work involved in these urban areas based upon the locations and types of improvement which, on the basis of present knowledge, appear to be most promising of success. On this assumption the following amounts have been included in the tabulation of needs for the cost of all necessary work within these urban areas:

Urban Areas	Construction Cost	Right-of-Way Cost	Total Cost
Bloomington-Normal area	\$ 660,000	\$ 6,233,000	\$ 6,893,000
Champaign-Urbana area	741,000	4,901,000	5,642,000
E. St. Louis Metropolitan area	4,731,000	66,711,000	71,442,000
Effingham area	708,000	5,759,000	6,467,000
Galesburg area	434,000	5,735,000	6,169,000
Kankakee area	392,000	9,555,000	9,947,000
LaSalle-Peru area	807,000	8,059,000	8,866,000
Peoria-East Peoria area	4,427,000	18,441,000	22,868,000
Rockford area	1,165,000	6,559,000	7,724,000
Rock Island Metropolitan area	3,388,000	14,754,000	18,142,000
Springfield area	868,000	10,736,000	11,604,000
Total	\$18,321,000	\$157,443,000	\$175,764,000

6. THE COOK COUNTY EXPRESSWAY SYSTEM.--In addition to the needs shown in the above tabulation are the needs of the Cook County Expressway System. Because the Cook County Expressway System presents a condition unique and different, both in terms of actual road needs and in the method of meeting these needs, a separate report has been made of these deficiencies.



For many years the State of Illinois has cooperated with the City of Chicago, Cook County, and the Chicago Park District in planning for the development of a network of expressways in the Chicago Metropolitan area. All of the agencies concerned are in agreement that this system represents an immediate transportation need in that area although there are evident difficulties to financing and executing the work all at once.

The entire expressway system, in which the State might find a participating interest as constituting a part of the primary system, consists of the following expressways with their respective estimated costs.

<u>Expressway</u>	<u>Construction Cost</u>	<u>Right-of-Way Cost</u>	<u>Total Cost</u>
West Route	\$ 80,023,548	\$ 47,497,500	\$127,521,048
Northwest Route	91,056,000	53,700,000	144,756,000
Edens	20,782,592	6,522,700	27,305,292
Calumet	17,744,076	1,314,300	19,058,376
Tri-State	32,156,491	7,479,000	39,635,491
Wacker Drive Extension	14,895,000	1,650,000	16,545,000
Southwest Route	49,759,000	4,512,000	54,271,000
River	41,260,000	12,000,000	53,260,000
South Route	82,450,000	21,500,000	103,950,000
North Route	25,000,000	6,000,000	31,000,000
Southeast Route	30,000,000	2,600,000	32,600,000
Total	<u>\$485,126,707</u>	<u>\$164,775,500</u>	<u>\$649,902,207</u>

Of this total system, work costing \$415,404,805 is located within the City of Chicago, and \$234,497,402 is situated outside the city.

Up to December 1, 1950, rights-of-way had been acquired and construction work had been completed or awarded in a total amount of \$86,132,625 of which

\$39,077,323 represented work within the City of Chicago and \$47,055,302 was outside of that city.

On December 1, 1950, the estimated cost of the work remaining to be done on the entire system of expressways totaled \$563,769,582 for which the obligation pattern, established by previous sharing agreements, indicated the following:

<u>Location</u>	<u>Total</u>	<u>State</u>	<u>Cook County</u>	<u>City of Chicago</u>	<u>Chicago Park District</u>
Inside Chicago	\$376,327,482	\$137,913,632	\$115,925,600	\$106,643,250	\$15,835,000
Outside Chicago	187,442,100	87,259,600	100,182,500	-	-
Total	\$563,769,582	\$225,173,232	\$216,118,100	\$106,643,250	\$15,835,000

Although there is unanimous agreement as to the need for the entire expressway system at the present time, it has long been evident that on the basis of present financial resources, on the rate of right-of-way acquisition, and on the ability to program engineering and construction work, only about half of the total system could be brought to completion within a period ending July 1, 1959. A program, based upon this reduced objective, has been formulated and forms the basis of definite commitments and mutual understandings of intent for sharing the cost of the work.

Under this plan, work inside the City of Chicago is to be paid for in equal one-third shares by the State, county, and City of Chicago, while work outside Chicago will be paid in equal amounts by the State and county.

The scope of this limited program is shown in an analysis prepared jointly by the State, city, and county dated May 12, 1950, which is summarized with an approximate allocation of responsibility in the following tabulation:

<u>Location</u>	<u>Total</u>	<u>State</u>	<u>Cook County</u>	<u>City of Chicago</u>
Inside Chicago	\$225,753,500	\$ 81,146,800	\$ 71,035,500	\$73,571,200
Outside Chicago	104,229,021	47,812,680	56,416,341	-
Total	\$329,982,521	\$128,959,480	\$127,451,841	\$73,571,200

Of this total of \$329,982,521 comprising the reduced expressway program, \$85,496,925 had been spent for right-of-way or on construction projects completed or awarded by December 1, 1950. There remained uncompleted on that date then, \$244,485,596 of work of which \$187,311,877 was within the City of Chicago and \$57,173,719 was outside the city.

The most significant figure in the preceding tabulation, insofar as State finances are concerned, is the amount of \$128,959,480 shown as the approximate obligation of the State under present understandings although they have not all been reduced to firm written commitments. Based upon a ten-year period, this obligation amounts to nearly \$13,000,000 per year for the Expressway System, inclusive of those portions both within and outside the City of Chicago. The funds used by the State in meeting its obligation under this program consist of combined State-collected motor user revenues and allocations of Federal-aid funds.

Concurrently, there exists a similar agreement participated in by the State, county, city, and the Chicago Park District for the financing, in equal shares, of a small part of the North Route which will form an extension of the North Outer Drive from Foster Avenue to Hollywood Avenue. This agreement extends to only July 1, 1951, and the participation by each agency is limited to \$1,200,000 in that time. By December 1, 1950, a total of \$635,700 had been spent or was involved by contracts awarded on this project.

## V. 1950 NEEDS SURVEY COMPARED WITH 1947 NEEDS SURVEY

A similar study of the primary system, made in 1947, was published in "A Highway Improvement Program for Illinois", by Griffenhagen and Associates. This study, commonly called the Griffenhagen report, found the needs to be almost the same in total amount. A comparison of the cost of correcting the deficiencies as shown in the Griffenhagen report and those found by the present study is as follows:

<u>Report</u>	<u>Rural Needs</u>	<u>Urban Needs</u>	<u>Total Needs</u>
Griffenhagen report	\$619,809,000	\$297,670,000	\$917,479,000
1950 Needs Study	655,538,000	270,330,000	925,868,000
Difference	\$+35,729,000	\$-27,340,000	\$ + 8,389,000

The difference between the urban and rural needs and the total needs as shown by the two reports is due to the fact that some of the urban needs in the Griffenhagen report were determined on the basis of "urban areas" <sup>1/</sup> whereas the urban needs in the 1950 study were made on the basis of municipal limits.

Table II, which has been referred to earlier in this report, is a comparison of the miles and cost of the various types of work recommended by the 1947 and 1950 studies.

The costs of the Cook County Expressway System are not included in these comparisons.

<sup>1/</sup> The urban areas used to locate the needs of the superhighways in the Griffenhagen report are those described in the Federal-aid Act of 1944 and include all places of more than 5,000 population as well as some unincorporated areas in the vicinity of such places.



TABLE II  
COMPARISON OF RECOMMENDATIONS OF THE 1947 AND 1950 NEEDS SURVEY

Report	Resurfacing With or Without Widening		Construction or Reconstruction Same or New Grade & Alignment		Structures		Total	
	Miles	Cost	Miles	Cost	Miles	Cost	Miles	Cost
1950 Needs Survey								
Rural Roads	4,078.80	\$165,278,000	2,212.37	\$328,231,000	-	\$162,029,000	6,291.17	\$655,538,000
Urban Streets	<u>430.74</u>	<u>22,262,000</u>	<u>559.50</u>	<u>117,606,000</u>	-	<u>130,462,000</u>	<u>990.24</u>	<u>270,330,000</u>
Total	4,509.54	\$187,540,000	2,771.87	\$445,837,000	-	\$292,491,000	7,281.41	\$925,868,000
1947 Needs Survey								
Rural Roads	2,743.55	\$ 91,227,000	2,621.45	\$419,354,000	-	\$109,228,000	5,365.00	\$619,809,000
Urban Streets	<u>406.30</u>	<u>21,563,000</u>	<u>459.70</u>	<u>172,149,000</u>	-	<u>103,958,000</u>	<u>866.00</u>	<u>297,670,000</u>
Total	3,149.85	\$112,790,000	3,081.15	\$591,503,000	-	\$213,186,000	6,231.00	\$917,479,000
Difference 1950 to 1947								
Rural Roads	+1,335.25	\$+74,051,000	-409.08	\$-91,123,000	-	\$+52,801,000	+926.17	\$+35,729,000
Urban Streets	<u>+ 24.44</u>	<u>+ 699,000</u>	<u>+ 99.80</u>	<u>-54,543,000</u>	-	<u>+26,504,000</u>	<u>+124.24</u>	<u>-27,340,000</u>
Total	+1,359.69	\$+74,750,000	-309.28	-\$145,666,000	-	\$+79,305,000	+1,050.41	\$+ 8,389,000

## VI. THE FEDERAL-AID SECONDARY SYSTEM

Also included in this report are the needs of the Federal-aid Secondary System as determined by the 1950 needs survey.

1. THE FEDERAL-AID SECONDARY SYSTEM DEFINED.--The Federal-aid Secondary System consists of those secondary roads jointly designated by the State and the counties for improvement with Federal funds under the provisions of the Federal-aid Highway Act of 1944 and the accompanying rules and regulations. The Federal-aid Secondary System of roads will comprise a major portion of the counties network of rural roads.

2. PROCEDURE USED IN MAKING THE SURVEYS.--The estimate of the needs of the Federal-aid Secondary System was made by the several county superintendents of highways reporting through the State district engineers. Control was maintained by the central office for the purpose of maintaining uniformity among the several counties and in analyzing the results.

3. SUMMARY OF THE FEDERAL-AID SECONDARY NEEDS REPORTED IN 1950.--Below is a summary of the Federal-aid secondary needs as reported in the 1950 survey:

### FEDERAL-AID SECONDARY NEEDS 1950 TO 1955 INCLUSIVE

<u>Time of Need</u>	<u>Miles</u>	<u>Cost</u>
Present	4,012.1	\$73,922,813
Future <u>1/</u>	1,042.5	9,263,158
Total	5,054.6	\$83,185,971

1/ Deficiencies estimated to occur in the period 1952 to 1955 inclusive.

A state map showing the location of these deficiencies and tables showing the miles of road deficient and the cost of meeting the deficiencies in each county follow in this report.





## APPENDIX






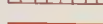



IMPROVEMENTS NEEDED TO MEET PRESENT DEFICIENCIES OF  
THE PRIMARY HIGHWAY SYSTEM AND THOSE ESTIMATED  
TO OCCUR IN THE PERIOD 1951 TO 1960, INCLUSIVE

(Reported in the Survey of Highway Needs of January 1, 1950 as  
Revised to Show Effect of Contracts Awarded to December 1, 1950)

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
DIVISION OF HIGHWAYS  
BUREAU OF HIGHWAY RESEARCH

LEGEND OF IMPROVEMENT TYPES SHOWN

-  Resurfacing or resurfacing and widening
-  Construction or reconstruction on same or new alignment
-  Construction of two additional traffic lanes

This map shows only the location of major construction or re-  
surfacing projects on EXISTING PRIMARY HIGHWAYS. IT DOES NOT  
INCLUDE NEEDS FOR NEW PRIMARY HIGHWAYS. Certain areas  
around larger cities, particularly those on the interstate system, are left  
blank because the precise location of needed improvements requires  
further study. The cost of needed improvements within these areas is  
included, however, based upon one of several alternative solutions.

The proposed Comprehensive Superhighway System in Cook  
County (as well as extensions in DuPage County) is shown almost in  
its entirety as representing a needed realignment of existing primary  
highways on definite locations in that area.

SCALE  
0 8 16 24 32 MILES  
SCALE OF ENLARGEMENT  
0 4 8 12 16 MILES









IMPROVEMENTS NEEDED TO MEET PRESENT DEFICIENCIES  
OF THE FEDERAL AID SECONDARY SYSTEM AND THOSE ESTI-  
MATED TO OCCUR IN THE PERIOD 1951 TO 1955, INCLUSIVE

(Reported in the Survey of Highway Needs of January 1, 1950 as  
Revised to Show Effect of Contracts Awarded to December 1, 1950)

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
DIVISION OF HIGHWAYS  
BUREAU OF HIGHWAY RESEARCH

LEGEND OF IMPROVEMENT TYPES AND HIGHWAY SYSTEMS SHOWN

- Resurfacing or resurfacing and widening
- Construction or reconstruction on some or new alignment
- Primary System
- Federal Aid Secondary System

SCALE  
0 10 20 30 MILES  
SCALE OF ENLARGEMENT  
0 10 20 30 MILES





C

Adams

Alexa

Bond

Boone

Brown

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)																					
County	System	Resurfacing with or without Widening			Construction or Reconstruction on Same or New Grade and Alignment			Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement			Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County		
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles		Construction Cost	Right-of-way Cost
Adams	Primary System, rural needs:																				
	Present	61.28	\$2,407,000	\$266,000	\$2,673,000	13.63	\$1,099,000	\$147,000	\$1,246,000	2.00	\$ 241,000	\$ 2,000	\$ 243,000	5	\$142,000	2	\$348,000	76.91	\$4,237,000	\$415,000	\$4,652,000
	Future 1/	18.43	545,000	54,000	599,000	-	-	-	-	-	-	-	-	10	552,000	-	-	18.43	1,097,000	54,000	1,151,000
	Total	79.71	\$2,952,000	\$320,000	\$3,272,000	13.63	\$1,099,000	\$147,000	\$1,246,000	2.00	\$ 241,000	\$ 2,000	\$ 243,000	15	\$694,000	2	\$348,000	95.34	\$5,334,000	\$469,000	\$5,803,000
	Primary System, urban needs: 2/																				
	Present	1.90	\$ 112,000	\$ 7,000	\$ 119,000	1.98	\$ 314,000	\$ 90,000	\$ 404,000	3.00	\$ 440,000	\$ 81,000	\$ 521,000	2	\$ 55,000	1	\$345,000	6.88	\$1,266,000	\$178,000	\$1,444,000
	Future 1/	1.82	117,000	5,000	122,000	-	-	-	-	-	-	-	-	-	-	-	-	1.82	117,000	5,000	122,000
	Total	3.72	\$ 229,000	\$ 12,000	\$ 241,000	1.98	\$ 314,000	\$ 90,000	\$ 404,000	3.00	\$ 440,000	\$ 81,000	\$ 521,000	2	\$ 55,000	1	\$345,000	8.70	\$1,383,000	\$183,000	\$1,566,000
	Total needs, Primary System	83.43	\$3,181,000	\$332,000	\$3,513,000	15.61	\$1,413,000	\$237,000	\$1,650,000	5.00	\$ 681,000	\$ 83,000	\$ 764,000	17	\$749,000	3	\$693,000	104.04	\$6,717,000	\$652,000	\$7,369,000
	Federal-aid Secondary, rural needs:																				
Present	5.6	\$ 26,880	\$ -	\$ 26,880	28.3	\$ 214,672	\$ -	\$ 214,672	-	\$ -	\$ -	\$ -	3	\$132,800	-	\$ -	33.9	\$ 374,352	\$ -	\$ 374,352	
Future 3/	7.2	38,160	-	38,160	39.0	255,638	-	255,638	-	-	-	-	-	-	-	-	46.2	293,798	-	293,798	
Total	12.8	\$ 65,040	\$ -	\$ 65,040	67.3	\$ 470,310	\$ -	\$ 470,310	-	\$ -	\$ -	\$ -	3	\$132,800	-	\$ -	80.1	\$ 668,150	\$ -	\$ 668,150	
Total, All needs	96.23	\$3,246,040	\$332,000	\$3,578,040	82.91	\$1,883,310	\$237,000	\$2,120,310	5.00	\$ 681,000	\$ 83,000	\$ 764,000	20	\$881,800	3	\$693,000	184.14	\$7,385,150	\$652,000	\$8,037,150	
Alexander	Primary System, rural needs:																				
	Present	16.84	\$ 695,000	\$ 37,000	\$ 732,000	6.31	\$ 571,000	\$ 18,000	\$ 589,000	-	\$ -	\$ -	\$ -	1	\$ 12,000	-	\$ -	23.15	\$1,278,000	\$ 55,000	\$1,333,000
	Future 1/	21.05	357,000	-	357,000	-	-	-	-	0.00	2,000	-	9,000	1	12,000	-	-	21.05	378,000	-	378,000
	Total	37.89	\$1,052,000	\$ 37,000	\$1,089,000	6.31	\$ 571,000	\$ 18,000	\$ 589,000	0.00	\$ 9,000	\$ -	\$ 9,000	2	\$ 24,000	-	\$ -	44.20	\$1,656,000	\$ 55,000	\$1,711,000
	Primary System, urban needs: 2/																				
	Present	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	1.55	\$ 242,000	\$ 68,000	\$ 310,000	-	\$ -	1	\$462,000	1.55	\$ 704,000	\$ 68,000	\$ 772,000
	Future 1/	2.81	72,000	-	72,000	-	-	-	-	-	-	-	-	-	-	-	-	2.81	72,000	-	72,000
	Total	2.81	\$ 72,000	\$ -	\$ 72,000	-	\$ -	\$ -	\$ -	1.55	\$ 242,000	\$ 68,000	\$ 310,000	-	\$ -	1	\$462,000	4.36	\$ 776,000	\$ 68,000	\$ 844,000
	Total needs, Primary System	40.70	\$1,124,000	\$ 37,000	\$1,161,000	6.31	\$ 571,000	\$ 18,000	\$ 589,000	1.55	\$ 251,000	\$ 68,000	\$ 319,000	2	\$ 24,000	1	\$462,000	48.56	\$2,432,000	\$123,000	\$2,555,000
	Federal-aid Secondary, rural needs:																				
Present	-	\$ -	\$ -	\$ -	12.3	\$ 86,850	\$ -	\$ 86,850	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	12.3	\$ 86,850	\$ -	\$ 86,850	
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	\$ -	\$ -	\$ -	12.3	\$ 86,850	\$ -	\$ 86,850	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	12.3	\$ 86,850	\$ -	\$ 86,850	
Total, All needs	40.70	\$1,124,000	\$ 37,000	\$1,161,000	18.61	\$ 657,850	\$ 18,000	\$ 675,850	1.55	\$ 251,000	\$ 68,000	\$ 319,000	2	\$ 24,000	1	\$462,000	60.86	\$2,518,850	\$123,000	\$2,641,850	
Bond	Primary System, rural needs:																				
	Present	3.28	\$ 46,000	\$ -	\$ 46,000	5.99	\$ 591,000	\$ 29,000	\$ 620,000	-	\$ -	\$ -	\$ -	2	\$19,000	-	\$ -	9.27	\$ 656,000	\$ 29,000	\$ 685,000
	Future 1/	22.50	667,000	-	667,000	-	-	-	-	-	-	-	-	2	249,000	-	-	22.50	916,000	-	916,000
	Total	25.78	\$ 713,000	\$ -	\$ 713,000	5.99	\$ 591,000	\$ 29,000	\$ 620,000	-	\$ -	\$ -	\$ -	4	\$268,000	-	\$ -	31.77	\$1,572,000	\$ 29,000	\$1,601,000
	Primary System, urban needs: 2/																				
	Present	1.37	\$ 52,000	\$ -	\$ 52,000	-	\$ -	\$ -	\$ -	0.78	\$ 98,000	\$ -	\$ 98,000	-	\$ -	-	\$ -	2.15	\$ 150,000	\$ -	\$ 150,000
	Future 1/	1.76	34,000	-	34,000	-	-	-	-	0.78	98,000	-	98,000	-	-	-	-	1.76	34,000	-	34,000
	Total	3.13	\$ 86,000	\$ -	\$ 86,000	-	\$ -	\$ -	\$ -	0.78	\$ 98,000	\$ -	\$ 98,000	-	\$ -	-	\$ -	3.91	\$ 184,000	\$ -	\$ 184,000
	Total needs, Primary System	28.91	\$ 799,000	\$ -	\$ 799,000	5.99	\$ 591,000	\$ 29,000	\$ 620,000	0.78	\$ 98,000	\$ -	\$ 98,000	4	\$268,000	-	\$ -	35.68	\$1,756,000	\$ 29,000	\$1,785,000
	Federal-aid Secondary, rural needs:																				
Present	9.6	\$ 24,767	\$ -	\$ 24,767	26.8	\$ 156,500	\$ 2,100	\$ 158,600	-	\$ -	\$ -	\$ -	9	\$264,550	-	\$ -	36.4	\$ 445,817	\$ 2,100	\$ 447,917	
Future 3/	-	-	-	-	26.8	156,500	2,100	158,600	-	-	-	-	9	264,550	-	-	36.4	445,817	2,100	447,917	
Total	9.6	\$ 24,767	\$ -	\$ 24,767	26.8	\$ 156,500	\$ 2,100	\$ 158,600	-	\$ -	\$ -	\$ -	9	\$264,550	-	\$ -	36.4	\$ 445,817	\$ 2,100	\$ 447,917	
Total, All needs	38.51	\$ 823,767	\$ -	\$ 823,767	32.79	\$ 747,500	\$ 31,100	\$ 778,600	0.78	\$ 98,000	\$ -	\$ 98,000	13	\$532,550	-	\$ -	72.08	\$2,201,817	\$ 31,100	\$2,232,917	
Boone	Primary System, rural needs:																				
	Present	1.00	\$ 39,000	\$ -	\$ 39,000	11.98	\$1,251,000	\$180,000	\$1,431,000	-	\$ -	\$ -	\$ -	1	\$104,000	2	\$578,000	12.98	\$1,972,000	\$180,000	\$2,152,000
	Future 1/	9.83	361,000	-	361,000	-	-	-	-	0.00	1,172,000	-	1,172,000	3	190,000	-	-	9.83	1,723,000	-	1,723,000
	Total	10.83	\$ 400,000	\$ -	\$ 400,000	11.98	\$1,251,000	\$180,000	\$1,431,000	0.00	\$1,172,000	\$ -	\$1,172,000	4	\$294,000	2	\$578,000	22.81	\$3,695,000	\$180,000	\$3,875,000
	Primary System, urban needs: 2/					</															



bureau

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)																					
County	System	Resurfacing with or without Widening			Construction or Reconstruction on Same or New Grade and Alignment			Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement			Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County		
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles		Construction Cost	Right-of-way Cost
Bureau	Primary System, rural needs:																				
	Present	53.67	\$2,018,000	\$252,000	\$2,270,000	29.32	\$ 3,729,000	\$526,000	\$ 4,255,000	0.30	\$ 38,000	\$ 2,000	\$ 40,000	19	\$ 731,000	11	\$2,731,000	83.29	\$ 9,247,000	\$ 780,000	\$10,027,000
	Future 1/	6.07	143,000	-	143,000	0.78	70,000	22,000	92,000	1.91	113,000	26,000	139,000	1	118,000	-	-	8.76	444,000	48,000	492,000
	Total	59.74	\$2,161,000	\$252,000	\$2,413,000	30.10	\$ 3,799,000	\$548,000	\$ 4,347,000	2.21	\$ 151,000	\$ 28,000	\$ 179,000	20	\$ 849,000	11	\$2,731,000	92.05	\$ 9,691,000	\$ 828,000	\$10,519,000
	Primary System, urban needs: 2/																				
	Present	4.25	\$ 151,000	\$ 11,000	\$ 162,000	2.24	\$ 204,000	\$ 48,000	\$ 252,000	3.12	\$ 408,000	\$ 3,000	\$ 411,000	1	\$ 9,000	1	\$ 269,000	9.61	\$ 1,041,000	\$ 62,000	\$ 1,103,000
	Future 1/	3.06	91,000	1,000	92,000	0.86	111,000	49,000	160,000	0.47	138,000	3,000	141,000	-	-	-	-	4.39	340,000	53,000	393,000
	Total	7.31	\$ 242,000	\$ 12,000	\$ 254,000	3.10	\$ 315,000	\$ 97,000	\$ 412,000	3.59	\$ 546,000	\$ 6,000	\$ 552,000	1	\$ 9,000	1	\$ 269,000	14.00	\$ 1,381,000	\$ 115,000	\$ 1,496,000
	Total needs, Primary System	67.05	\$2,403,000	\$264,000	\$2,667,000	33.20	\$ 4,114,000	\$645,000	\$ 4,759,000	5.80	\$ 697,000	\$ 34,000	\$ 731,000	21	\$ 858,000	12	\$3,000,000	106.05	\$11,072,000	\$ 943,000	\$12,015,000
	Federal-aid Secondary, rural needs:																				
Present	8.0	\$ 66,365	\$ -	\$ 66,365	23.6	\$ 167,760	\$ 2,300	\$ 170,060	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	31.6	\$ 234,125	\$ 2,300	\$ 236,425	
Future 3/	2.8	26,600	-	26,600	27.5	154,685	2,150	156,835	-	-	-	-	-	-	-	-	30.3	181,285	2,150	183,435	
Total	10.8	\$ 92,965	\$ -	\$ 92,965	51.1	\$ 322,445	\$ 4,450	\$ 326,895	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	61.9	\$ 415,410	\$ 4,450	\$ 419,860	
Total, All needs	77.85	\$2,495,965	\$264,000	\$2,759,965	84.30	\$ 4,436,445	\$649,450	\$ 5,085,895	5.80	\$ 697,000	\$ 34,000	\$ 731,000	21	\$ 858,000	12	\$3,000,000	167.95	\$11,487,410	\$ 947,450	\$12,434,860	
Calhoun	Primary System, rural needs:																				
	Present	11.72	\$ 341,000	\$ 26,000	\$ 367,000	9.72	\$ 176,000	\$ 3,000	\$ 179,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	21.44	\$ 517,000	\$ 29,000	\$ 546,000
	Future 1/	-	-	-	-	3.30	45,000	-	45,000	-	-	-	-	-	-	-	-	3.30	45,000	-	45,000
	Total	11.72	\$ 341,000	\$ 26,000	\$ 367,000	13.02	\$ 221,000	\$ 3,000	\$ 224,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	24.74	\$ 562,000	\$ 29,000	\$ 591,000
	Primary System, urban needs: 2/																				
	Present	1.49	\$ 43,000	\$ 4,000	\$ 47,000	-	\$ -	\$ -	\$ -	1.00	\$ 127,000	\$ -	\$ 127,000	2	\$ 43,000	-	\$ -	2.49	\$ 213,000	\$ 4,000	\$ 217,000
	Future 1/	-	-	-	-	0.53	7,000	-	7,000	-	-	-	-	-	-	-	-	0.53	7,000	-	7,000
	Total	1.49	\$ 43,000	\$ 4,000	\$ 47,000	0.53	\$ 7,000	\$ -	\$ 7,000	1.00	\$ 127,000	\$ -	\$ 127,000	2	\$ 43,000	-	\$ -	3.02	\$ 220,000	\$ 4,000	\$ 224,000
	Total needs, Primary System	13.21	\$ 384,000	\$ 30,000	\$ 414,000	13.55	\$ 228,000	\$ 3,000	\$ 231,000	1.00	\$ 127,000	\$ -	\$ 127,000	2	\$ 43,000	-	\$ -	27.76	\$ 782,000	\$ 33,000	\$ 815,000
	Federal-aid Secondary, rural needs:																				
Present	15.5	\$ 98,350	\$ -	\$ 98,350	11.9	\$ 101,125	\$ 1,000	\$ 102,125	-	\$ -	\$ -	\$ -	4	\$ 47,850	-	\$ -	27.4	\$ 247,325	\$ 1,000	\$ 248,325	
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	15.5	\$ 98,350	\$ -	\$ 98,350	11.9	\$ 101,125	\$ 1,000	\$ 102,125	-	\$ -	\$ -	\$ -	4	\$ 47,850	-	\$ -	27.4	\$ 247,325	\$ 1,000	\$ 248,325	
Total, All needs	28.71	\$ 482,350	\$ 30,000	\$ 512,350	25.45	\$ 329,125	\$ 4,000	\$ 333,125	1.00	\$ 127,000	\$ -	\$ 127,000	6	\$ 90,850	-	\$ -	55.16	\$ 1,029,325	\$ 34,000	\$ 1,063,325	
Carroll	Primary System, rural needs:																				
	Present	21.75	\$ 856,000	\$ 90,000	\$ 946,000	13.09	\$ 1,046,000	\$ 96,000	\$ 1,142,000	-	\$ -	\$ -	\$ -	6	\$ 117,000	2	\$ 442,000	34.84	\$ 2,461,000	\$ 186,000	\$ 2,647,000
	Future 1/	10.10	227,000	-	227,000	-	45,000	-	45,000	-	-	-	-	2	45,000	-	-	10.10	272,000	-	272,000
	Total	31.85	\$1,083,000	\$ 90,000	\$1,173,000	13.09	\$ 1,046,000	\$ 96,000	\$ 1,142,000	-	\$ -	\$ -	\$ -	8	\$ 162,000	2	\$ 442,000	44.94	\$ 2,733,000	\$ 186,000	\$ 2,919,000
	Primary System, urban needs: 2/																				
	Present	1.10	\$ 41,000	\$ 3,000	\$ 44,000	0.57	\$ 45,000	\$ 9,000	\$ 54,000	0.27	\$ 36,000	\$ -	\$ 36,000	1	\$ 61,000	-	\$ -	1.94	\$ 183,000	\$ 12,000	\$ 195,000
	Future 1/	1.74	39,000	-	39,000	-	-	-	-	-	-	-	-	-	-	-	-	1.74	39,000	-	39,000
	Total	2.84	\$ 80,000	\$ 3,000	\$ 83,000	0.57	\$ 45,000	\$ 9,000	\$ 54,000	0.27	\$ 36,000	\$ -	\$ 36,000	1	\$ 61,000	-	\$ -	3.68	\$ 222,000	\$ 12,000	\$ 234,000
	Total needs, Primary System	34.69	\$1,163,000	\$ 93,000	\$1,256,000	13.66	\$ 1,091,000	\$105,000	\$ 1,196,000	0.27	\$ 36,000	\$ -	\$ 36,000	9	\$ 223,000	2	\$ 442,000	48.62	\$ 2,955,000	\$ 198,000	\$ 3,153,000
	Federal-aid Secondary, rural needs:																				
Present	-	\$ -	\$ -	\$ -	25.0	\$ 815,990	\$ 16,320	\$ 832,310	-	\$ -	\$ -	\$ -	1	\$ 67,200	-	\$ -	25.0	\$ 883,190	\$ 16,320	\$ 899,510	
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	\$ -	\$ -	\$ -	25.0	\$ 815,990	\$ 16,320	\$ 832,310	-	\$ -	\$ -	\$ -	1	\$ 67,200	-	\$ -	25.0	\$ 883,190	\$ 16,320	\$ 899,510	
Total, All needs	34.69	\$1,163,000	\$ 93,000	\$1,256,000	38.66	\$ 1,906,990	\$121,320	\$ 2,028,310	0.27	\$ 36,000	\$ -	\$ 36,000	10	\$ 290,200	2	\$ 442,000	73.62	\$ 3,838,190	\$ 214,320	\$ 4,052,510	
Cass	Primary System, rural needs:																				
	Present	6.35	\$ 238,000	\$ 31,000	\$ 269,000	3.00	\$ 361,000	\$ 36,000	\$ 397,000	-	\$ -	\$ -	\$ -	3	\$ 45,000	-	\$ -	9.35	\$ 644,000	\$ 67,000	\$ 711,000
	Future 1/	20.22	711,000	63,000	774,000	-	-	-	-	-	-	-	-	3	45,000	-	-	20.22</			

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Christian	Primary System, rural needs:																					
	Present	23.03	\$ 905,000	\$ 84,000	\$ 989,000	30.77	\$3,072,000	\$329,000	\$3,401,000	1.05	\$ 240,000	\$ 31,000	\$ 271,000	10	\$ 356,000	2	\$ 555,000	54.85	\$ 5,128,000	\$ 444,000	\$ 5,572,000	
	Future 1/	18.13	596,000	56,000	652,000	-	-	-	-	-	-	-	-	2	36,000	-	-	18.13	632,000	56,000	688,000	
	Total	41.16	\$1,501,000	\$140,000	\$1,641,000	30.77	\$3,072,000	\$329,000	\$3,401,000	1.05	\$ 240,000	\$ 31,000	\$ 271,000	12	\$ 392,000	2	\$ 555,000	72.98	\$ 5,760,000	\$ 500,000	\$ 6,260,000	
	Primary System, urban needs: 2/																					
	Present	2.04	\$ 86,000	\$ 2,000	\$ 88,000	6.34	\$ 904,000	\$ 78,000	\$ 982,000	1.59	\$ 202,000	\$ 8,000	\$ 210,000	-	\$ -	-	\$ -	9.97	\$ 1,192,000	\$ 88,000	\$ 1,280,000	
	Future 1/	3.16	97,000	-	97,000	-	-	-	-	-	-	-	-	-	-	-	-	3.16	97,000	-	97,000	
	Total	5.20	\$ 183,000	\$ 2,000	\$ 185,000	6.34	\$ 904,000	\$ 78,000	\$ 982,000	1.59	\$ 202,000	\$ 8,000	\$ 210,000	-	\$ -	-	\$ -	13.13	\$ 1,289,000	\$ 88,000	\$ 1,377,000	
	Total needs, Primary System	46.36	\$1,684,000	\$142,000	\$1,826,000	37.11	\$3,976,000	\$407,000	\$4,383,000	2.64	\$ 442,000	\$ 39,000	\$ 481,000	12	\$ 392,000	2	\$ 555,000	86.11	\$ 7,049,000	\$ 588,000	\$ 7,637,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	73.6	\$1,128,770	\$ 43,580	\$1,172,350	-	\$ -	\$ -	\$ -	14	\$ 565,112	1	\$ 425,000	73.6	\$ 2,118,882	\$ 43,580	\$ 2,162,462		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	73.6	\$1,128,770	\$ 43,580	\$1,172,350	-	\$ -	\$ -	\$ -	14	\$ 565,112	1	\$ 425,000	73.6	\$ 2,118,882	\$ 43,580	\$ 2,162,462		
Total, All needs	46.36	\$1,684,000	\$142,000	\$1,826,000	110.71	\$5,104,770	\$450,580	\$5,555,350	2.64	\$ 442,000	\$ 39,000	\$ 481,000	26	\$ 957,112	3	\$ 980,000	159.71	\$ 9,167,882	\$ 631,580	\$ 9,799,462		
Clark	Primary System, rural needs:																					
	Present	2.26	\$ 95,000	\$ 10,000	\$ 105,000	44.83	\$4,339,000	\$830,000	\$5,169,000	-	\$ -	\$ -	\$ -	17	\$ 577,000	5	\$ 902,000	47.09	\$ 5,913,000	\$ 840,000	\$ 6,753,000	
	Future 1/	11.99	373,000	-	373,000	-	-	-	-	0.00	2,110,000	4,000	2,114,000	15	508,000	2	405,000	11.99	3,396,000	4,000	3,400,000	
	Total	14.25	\$ 468,000	\$ 10,000	\$ 478,000	44.83	\$4,339,000	\$830,000	\$5,169,000	0.00	\$2,110,000	\$ 4,000	\$2,114,000	32	\$1,085,000	7	\$1,307,000	59.08	\$ 9,309,000	\$ 844,000	\$10,153,000	
	Primary System, urban needs: 2/																					
	Present	0.53	\$ 22,000	\$ -	\$ 22,000	3.56	\$ 558,000	\$ 14,000	\$ 572,000	-	\$ -	\$ -	\$ -	1	\$ 19,000	1	\$ 396,000	4.09	\$ 995,000	\$ 14,000	\$ 1,009,000	
	Future 1/	0.49	9,000	-	9,000	-	-	-	-	0.00	85,000	-	85,000	1	19,000	-	-	0.49	113,000	-	113,000	
	Total	1.02	\$ 31,000	\$ -	\$ 31,000	3.56	\$ 558,000	\$ 14,000	\$ 572,000	0.00	\$ 85,000	\$ -	\$ 85,000	2	\$ 38,000	1	\$ 396,000	4.58	\$ 1,108,000	\$ 14,000	\$ 1,122,000	
	Total needs, Primary System	15.27	\$ 499,000	\$ 10,000	\$ 509,000	48.39	\$4,897,000	\$844,000	\$5,741,000	0.00	\$2,195,000	\$ 4,000	\$2,199,000	34	\$1,123,000	8	\$1,703,000	63.66	\$10,417,000	\$ 858,000	\$11,275,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	37.9	\$ 348,030	\$ -	\$ 348,030	-	\$ -	\$ -	\$ -	5	\$ 118,880	-	\$ -	37.9	\$ 466,910	\$ -	\$ 466,910		
Future 3/	-	-	-	-	16.2	85,040	-	85,040	-	-	-	-	5	-	-	-	16.2	85,040	-	85,040		
Total	-	\$ -	\$ -	\$ -	54.1	\$ 433,070	\$ -	\$ 433,070	-	\$ -	\$ -	\$ -	-	\$ -	-	-	54.1	\$ 551,950	\$ -	\$ 551,950		
Total, All needs	15.27	\$ 499,000	\$ 10,000	\$ 509,000	102.49	\$5,330,070	\$844,000	\$6,174,070	0.00	\$2,195,000	\$ 4,000	\$2,199,000	39	\$1,241,880	8	\$1,703,000	117.76	\$10,968,950	\$ 858,000	\$11,826,950		
Clay	Primary System, rural needs:																					
	Present	14.07	\$ 472,000	\$ 72,000	\$ 544,000	18.27	\$2,205,000	\$343,000	\$2,548,000	2.22	\$ 84,000	\$ -	\$ 84,000	21	\$1,141,000	4	\$ 827,000	34.56	\$ 4,729,000	\$ 415,000	\$ 5,144,000	
	Future 1/	6.95	281,000	48,000	329,000	-	-	-	-	0.43	390,000	17,000	407,000	1	44,000	-	-	7.38	715,000	65,000	780,000	
	Total	21.02	\$ 753,000	\$120,000	\$ 873,000	18.27	\$2,205,000	\$343,000	\$2,548,000	2.65	\$ 474,000	\$ 17,000	\$ 491,000	22	\$1,185,000	4	\$ 827,000	41.94	\$ 5,444,000	\$ 480,000	\$ 5,924,000	
	Primary System, urban needs: 2/																					
	Present	0.05	\$ 2,000	\$ -	\$ 2,000	2.79	\$ 301,000	\$ 7,000	\$ 308,000	1.76	\$ 227,000	\$ 49,000	\$ 276,000	-	\$ -	-	\$ -	4.60	\$ 530,000	\$ 56,000	\$ 586,000	
	Future 1/	0.08	4,000	1,000	5,000	-	-	-	-	0.38	99,000	15,000	114,000	-	-	-	-	0.46	103,000	16,000	119,000	
	Total	0.13	\$ 6,000	\$ 1,000	\$ 7,000	2.79	\$ 301,000	\$ 7,000	\$ 308,000	2.14	\$ 326,000	\$ 64,000	\$ 390,000	-	\$ -	-	\$ -	5.06	\$ 633,000	\$ 72,000	\$ 705,000	
	Total needs, Primary System	21.15	\$ 759,000	\$121,000	\$ 880,000	21.06	\$2,506,000	\$350,000	\$2,856,000	4.79	\$ 800,000	\$ 81,000	\$ 881,000	22	\$1,185,000	4	\$ 827,000	47.00	\$ 6,077,000	\$ 552,000	\$ 6,629,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	48.5	\$ 483,690	\$ 14,080	\$ 497,770	-	\$ -	\$ -	\$ -	1	\$ 11,700	-	\$ -	48.5	\$ 495,390	\$ 14,080	\$ 509,470		
Future 3/	-	-	-	-	4.0	42,000	-	42,000	-	-	-	-	1	-	-	-	4.0	42,000	-	42,000		
Total	-	\$ -	\$ -	\$ -	52.5	\$ 525,690	\$ 14,080	\$ 539,770	-	\$ -	\$ -	\$ -	-	\$ -	-	-	52.5	\$ 537,390	\$ 14,080	\$ 551,470		
Total, All needs	21.15	\$ 759,000	\$121,000	\$ 880,000	73.56	\$3,031,690	\$364,080	\$3,395,770	4.79	\$ 800,000	\$ 81,000	\$ 881,000	23	\$1,196,700	4	\$ 827,000	99.50	\$ 6,614,390	\$ 566,080	\$ 7,180,470		
Clinton	Primary System, rural needs:																					
	Present	6.97	\$ 332,000	\$ 79,000	\$ 411,000	11.37	\$1,240,000	\$157,000	\$1,397,000	-	\$ -	\$ -	\$ -	12	\$1,925,000	-	\$ -	18.34	\$ 3,497,000			



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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction or Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Cook	Primary System, rural needs:																					
	Present	20.62	\$ 948,000	\$ -	\$ 948,000	8.59	\$1,847,000	\$431,000	\$2,278,000	1.06	\$ 140,000	\$ 1,000	\$ 141,000	-	\$ -	13	\$ 3,530,000	30.27	\$ 6,465,000	\$ 432,000	\$ 6,897,000	
	Future 1/	107.53	3,965,000	-	3,965,000	1.84	163,000	-	163,000	3.86	414,000	386,000	800,000	-	-	10	2,543,000	113.23	7,085,000	386,000	7,471,000	
	Total	128.15	\$ 4,913,000	\$ -	\$ 4,913,000	10.43	\$2,010,000	\$431,000	\$2,441,000	4.92	\$ 554,000	\$387,000	\$ 941,000	-	\$ -	23	\$ 6,073,000	143.50	\$13,550,000	\$ 818,000	\$14,368,000	
	Primary System, urban needs: 2/																					
	Present	32.45	\$ 1,758,000	\$ -	\$ 1,758,000	6.15	\$2,378,000	\$294,000	\$2,672,000	2.38	\$ 548,000	\$ -	\$ 548,000	4	\$1,198,000	34	\$14,314,000	40.98	\$20,196,000	\$ 294,000	\$20,490,000	
	Future 1/	67.50	3,376,000	-	3,376,000	4.10	1,162,000	-	1,162,000	4.43	531,000	200,000	731,000	-	-	31	15,417,000	76.03	20,486,000	200,000	20,686,000	
	Total	99.95	\$ 5,134,000	\$ -	\$ 5,134,000	10.25	\$3,540,000	\$294,000	\$3,834,000	6.81	\$1,079,000	\$200,000	\$1,279,000	4	\$1,198,000	65	\$29,731,000	117.01	\$40,682,000	\$ 494,000	\$41,176,000	
	Total needs, Primary System	228.10	\$10,047,000	\$ -	\$10,047,000	20.68	\$5,550,000	\$725,000	\$6,275,000	11.73	\$1,633,000	\$587,000	\$2,220,000	4	\$1,198,000	88	\$35,804,000	260.51	\$54,232,000	\$1,312,000	\$55,544,000	
	Federal-aid Secondary, rural needs:																					
Present	7.1	\$ 614,400	\$ 49,600	\$ 664,000	4.6	\$ 325,200	\$ -	\$ 325,200	-	\$ -	\$ -	\$ -	5	\$ 709,300	-	\$ 4/ 25,000	11.7	\$ 1,673,900	\$ 49,600	\$ 1,723,500		
Future 3/	14.3	379,300	-	379,300	5.1	398,050	-	398,050	-	-	-	-	-	-	-	-	19.4	777,350	-	777,350		
Total	21.4	\$ 993,700	\$ 49,600	\$ 1,043,300	9.7	\$ 723,250	\$ -	\$ 723,250	-	\$ -	\$ -	\$ -	5	\$ 709,300	-	\$ 25,000	31.1	\$ 2,451,250	\$ 49,600	\$ 2,500,850		
Total, All needs	249.50	\$11,040,700	\$ 49,600	\$11,090,300	30.38	\$6,273,250	\$725,000	\$6,998,250	11.73	\$1,633,000	\$587,000	\$2,220,000	9	\$1,907,300	88	\$35,829,000	291.61	\$56,683,250	\$1,361,600	\$58,044,850		
Crawford	Primary System, rural needs:																					
	Present	20.54	\$ 867,000	\$229,000	\$ 1,096,000	13.03	\$1,146,000	\$112,000	\$1,258,000	1.27	\$ 114,000	\$ -	\$ 114,000	14	\$ 451,000	-	\$ -	34.84	\$ 2,578,000	\$ 341,000	\$ 2,919,000	
	Future 1/	6.50	108,000	-	108,000	-	-	-	-	-	-	-	-	1	98,000	-	-	6.50	206,000	-	206,000	
	Total	27.04	\$ 975,000	\$229,000	\$ 1,204,000	13.03	\$1,146,000	\$112,000	\$1,258,000	1.27	\$ 114,000	\$ -	\$ 114,000	15	\$ 549,000	-	\$ -	41.34	\$ 2,784,000	\$ 341,000	\$ 3,125,000	
	Primary System, urban needs: 2/																					
	Present	0.43	\$ 64,000	\$ -	\$ 64,000	-	\$ -	\$ -	\$ -	1.68	\$ 228,000	\$ 14,000	\$ 242,000	1	\$ 17,000	-	\$ -	2.11	\$ 309,000	\$ 14,000	\$ 323,000	
	Future 1/	0.55	17,000	-	17,000	-	-	-	-	0.46	94,000	5,000	99,000	-	-	-	-	1.01	111,000	5,000	116,000	
	Total	0.98	\$ 81,000	\$ -	\$ 81,000	-	\$ -	\$ -	\$ -	2.14	\$ 322,000	\$ 19,000	\$ 341,000	1	\$ 17,000	-	\$ -	3.12	\$ 420,000	\$ 19,000	\$ 439,000	
	Total needs, Primary System	28.02	\$ 1,056,000	\$229,000	\$ 1,285,000	13.03	\$1,146,000	\$112,000	\$1,258,000	3.41	\$ 436,000	\$ 19,000	\$ 455,000	16	\$ 566,000	-	\$ -	44.46	\$ 3,204,000	\$ 360,000	\$ 3,564,000	
	Federal-aid Secondary, rural needs:																					
Present	3.5	\$ 38,405	\$ -	\$ 38,405	41.5	\$ 631,935	\$ 8,720	\$ 640,655	-	\$ -	\$ -	\$ -	6	\$ 583,700	-	\$ -	45.0	\$ 1,254,040	\$ 8,720	\$ 1,262,760		
Future 3/	-	-	-	-	41.5	\$ 631,935	\$ 8,720	\$ 640,655	-	\$ -	\$ -	\$ -	6	\$ 583,700	-	\$ -	45.0	\$ 1,254,040	\$ 8,720	\$ 1,262,760		
Total	3.5	\$ 38,405	\$ -	\$ 38,405	41.5	\$ 631,935	\$ 8,720	\$ 640,655	-	\$ -	\$ -	\$ -	6	\$ 583,700	-	\$ -	45.0	\$ 1,254,040	\$ 8,720	\$ 1,262,760		
Total, All needs	31.52	\$ 1,094,405	\$229,000	\$ 1,323,405	54.53	\$1,777,935	\$120,720	\$1,898,655	3.41	\$ 436,000	\$ 19,000	\$ 455,000	22	\$1,149,700	-	\$ -	89.46	\$ 4,458,040	\$ 368,720	\$ 4,826,760		
Cumberland	Primary System, rural needs:																					
	Present	7.31	\$ 186,000	\$ 48,000	\$ 234,000	3.80	\$ 642,000	\$123,000	\$ 765,000	-	\$ -	\$ -	\$ -	2	\$ 48,000	-	\$ -	11.11	\$ 876,000	\$ 171,000	\$ 1,047,000	
	Future 1/	24.98	774,000	-	774,000	-	-	-	-	8.28	\$ 759,000	\$ -	\$ 759,000	9	\$ 358,000	-	\$ -	33.26	1,891,000	-	1,891,000	
	Total	32.29	\$ 960,000	\$ 48,000	\$ 1,008,000	3.80	\$ 642,000	\$123,000	\$ 765,000	8.28	\$ 759,000	\$ -	\$ 759,000	11	\$ 406,000	-	\$ -	44.37	\$ 2,767,000	\$ 171,000	\$ 2,938,000	
	Primary System, urban needs: 2/																					
	Present	1.16	\$ 22,000	\$ -	\$ 22,000	1.45	\$ 152,000	\$ 44,000	\$ 196,000	-	\$ -	\$ -	\$ -	1	\$ 108,000	-	\$ -	2.61	\$ 282,000	\$ 44,000	\$ 326,000	
	Future 1/	0.47	14,000	-	14,000	-	-	-	-	-	-	-	-	-	-	-	-	0.47	14,000	-	14,000	
	Total	1.63	\$ 36,000	\$ -	\$ 36,000	1.45	\$ 152,000	\$ 44,000	\$ 196,000	-	\$ -	\$ -	\$ -	1	\$ 108,000	-	\$ -	3.08	\$ 296,000	\$ 44,000	\$ 340,000	
	Total needs, Primary System	33.92	\$ 996,000	\$ 48,000	\$ 1,044,000	5.25	\$ 794,000	\$167,000	\$ 961,000	8.28	\$ 759,000	\$ -	\$ 759,000	12	\$ 514,000	-	\$ -	47.45	\$ 3,063,000	\$ 215,000	\$ 3,278,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	14.6	\$ 104,275	\$ 500	\$ 104,775	-	\$ -	\$ -	\$ -	6	\$ 110,250	-	\$ -	14.6	\$ 214,525	\$ 500	\$ 215,025		
Future 3/	-	-	-	-	19.8	100,970	-	100,970	-	-	-	-	-	-	-	-	19.8	100,970	-	100,970		
Total	-	\$ -	\$ -	\$ -	34.4	\$ 205,245	\$ 500	\$ 205,745	-	\$ -	\$ -	\$ -	6	\$ 110,250	-	\$ -	34.4	\$ 315,495	\$ 500	\$ 315,995		
Total, All needs	33.92	\$ 996,000	\$ 48,000	\$ 1,044,000	39.65	\$ 999,245	\$167,500	\$1,166,745	8.28	\$ 759,000	\$ -	\$ 759,000	18	\$ 624,250	-	\$ -	81.85	\$ 3,378,495	\$ 215,500	\$ 3,593,995		
De Kalb	Primary System, rural needs:																					
	Present	11.58	\$ 521,000	\$ 51,000	\$ 572,000	11.05	\$1,107,000	\$ 97,000	\$1,204,000	-	\$ -	\$ -	\$ -	3	\$ 52,000	-	\$ -	22.63				

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

(Reported in the Survey of Highway Needs of January 1, 1970 as revised to show effect of contracts awarded to December 1, 1970.)																						
County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Douglas	Primary System, rural needs:																					
	Present	5.97	\$ 203,000	\$ -	\$ 203,000	15.48	\$1,389,000	\$ 212,000	\$1,601,000	-	\$ -	\$ -	\$ -	6	\$ 140,000	2	\$ 575,000	21.45	\$ 2,307,000	\$ 212,000	\$ 2,519,000	
	Future 1/	26.01	906,000	1,000	907,000	-	-	-	-	-	-	-	-	8	192,000	-	-	26.01	1,098,000	1,000	1,099,000	
	Total	31.98	\$1,109,000	\$ 1,000	\$1,110,000	15.48	\$1,389,000	\$ 212,000	\$1,601,000	-	\$ -	\$ -	\$ -	14	\$ 332,000	2	\$ 575,000	47.46	\$ 3,405,000	\$ 213,000	\$ 3,618,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	1.66	\$ 162,000	\$ 15,000	\$ 177,000	-	\$ -	\$ -	\$ -	-	\$ -	2	\$ 465,000	1.66	\$ 627,000	\$ 15,000	\$ 642,000	
	Future 1/	0.25	12,000	1,000	13,000	-	-	-	-	-	-	-	-	-	-	-	-	0.25	12,000	1,000	13,000	
	Total	0.25	\$ 12,000	\$ 1,000	\$ 13,000	1.66	\$ 162,000	\$ 15,000	\$ 177,000	-	\$ -	\$ -	\$ -	-	\$ -	2	\$ 465,000	1.91	\$ 639,000	\$ 16,000	\$ 655,000	
Total needs, Primary System	32.23	\$1,121,000	\$ 2,000	\$1,123,000	17.14	\$1,551,000	\$ 227,000	\$1,778,000	-	\$ -	\$ -	\$ -	14	\$ 332,000	4	\$1,040,000	49.37	\$ 4,044,000	\$ 229,000	\$ 4,273,000		
Douglas	Federal-aid Secondary, rural needs:																					
	Present	6.8	\$ 3,500	\$ -	\$ 3,500	32.8	\$ 359,730	\$ 4,000	\$ 363,730	-	\$ -	\$ -	\$ -	2	\$ 70,100	-	\$ -	39.6	\$ 433,330	\$ 4,000	\$ 437,330	
	Future 3/	-	-	-	-	11.2	25,766	-	25,766	-	-	-	-	1	12,400	-	-	11.2	38,166	-	38,166	
	Total	6.8	\$ 3,500	\$ -	\$ 3,500	44.0	\$ 385,496	\$ 4,000	\$ 389,496	-	\$ -	\$ -	\$ -	3	\$ 82,500	-	\$ -	50.8	\$ 471,496	\$ 4,000	\$ 475,496	
	Total, All needs	39.03	\$1,124,500	\$ 2,000	\$1,126,500	61.14	\$1,936,496	\$ 231,000	\$2,167,496	-	\$ -	\$ -	\$ -	17	\$ 414,500	4	\$1,040,000	100.17	\$ 4,515,496	\$ 233,000	\$ 4,748,496	
	Primary System, rural needs:																					
	Present	8.37	\$ 382,000	\$ 80,000	\$ 462,000	20.89	\$5,657,000	\$1,353,000	\$7,010,000	7.55	\$ 890,000	\$ 33,000	\$ 923,000	4	\$ 337,000	25	\$6,434,000	36.81	\$13,700,000	\$1,466,000	\$15,166,000	
	Future 1/	15.72	617,000	31,000	648,000	0.35	284,000	5,000	289,000	8.37	1,285,000	-	1,285,000	-	-	5	769,000	24.44	2,955,000	36,000	2,991,000	
Total	24.09	\$ 999,000	\$111,000	\$1,110,000	21.24	\$5,941,000	\$1,358,000	\$7,299,000	15.92	\$2,175,000	\$ 33,000	\$2,208,000	4	\$ 337,000	30	\$7,203,000	61.25	\$16,655,000	\$1,502,000	\$18,157,000		
Du Page	Primary System, urban needs: 2/																					
	Present	2.86	\$ 184,000	\$ 46,000	\$ 230,000	1.87	\$ 466,000	\$ 141,000	\$ 607,000	3.55	\$ 592,000	\$159,000	\$ 751,000	-	\$ -	4	\$1,871,000	8.28	\$ 3,113,000	\$ 346,000	\$ 3,459,000	
	Future 1/	6.97	495,000	42,000	537,000	-	-	-	-	0.00	78,000	-	78,000	-	-	-	-	6.97	573,000	42,000	615,000	
	Total	9.83	\$ 679,000	\$ 88,000	\$ 767,000	1.87	\$ 466,000	\$ 141,000	\$ 607,000	3.55	\$ 670,000	\$159,000	\$ 829,000	-	\$ -	4	\$1,871,000	15.25	\$ 3,686,000	\$ 388,000	\$ 4,074,000	
	Total needs, Primary System	33.92	\$1,678,000	\$199,000	\$1,877,000	23.11	\$6,407,000	\$1,499,000	\$7,906,000	19.47	\$2,845,000	\$192,000	\$3,037,000	4	\$ 337,000	34	\$9,074,000	76.50	\$20,341,000	\$1,890,000	\$22,231,000	
	Federal-aid Secondary, rural needs:																					
	Present	13.1	\$ 525,444	\$110,880	\$ 636,324	16.7	\$1,029,150	\$ 309,000	\$1,338,150	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	29.8	\$ 1,554,594	\$ 419,880	\$ 1,974,474	
	Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	13.1	\$ 525,444	\$110,880	\$ 636,324	16.7	\$1,029,150	\$ 309,000	\$1,338,150	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	29.8	\$ 1,554,594	\$ 419,880	\$ 1,974,474		
Total, All needs	47.02	\$2,203,444	\$309,880	\$2,513,324	39.81	\$7,436,150	\$1,808,000	\$9,244,150	19.47	\$2,845,000	\$192,000	\$3,037,000	4	\$ 337,000	34	\$9,074,000	106.30	\$21,895,594	\$2,309,880	\$24,205,474		
Edgar	Primary System, rural needs:																					
	Present	-	\$ -	\$ -	\$ -	25.10	\$2,219,000	\$ 205,000	\$2,424,000	-	\$ -	\$ -	\$ -	6	\$ 271,000	2	\$ 496,000	25.10	\$ 2,986,000	\$ 205,000	\$ 3,191,000	
	Future 1/	52.51	1,876,000	92,000	1,968,000	1.07	124,000	7,000	131,000	-	-	-	-	11	207,000	-	-	53.58	2,207,000	99,000	2,306,000	
	Total	52.51	\$1,876,000	\$ 92,000	\$1,968,000	26.17	\$2,343,000	\$ 212,000	\$2,555,000	-	\$ -	\$ -	\$ -	17	\$ 478,000	2	\$ 496,000	78.68	\$ 5,193,000	\$ 304,000	\$ 5,497,000	
	Primary System, urban needs: 2/																					
	Present	0.20	\$ 6,000	\$ -	\$ 6,000	3.55	\$ 564,000	\$ 19,000	\$ 583,000	0.99	\$ 111,000	\$ -	\$ 111,000	-	\$ -	1	\$ 595,000	4.74	\$ 1,276,000	\$ 19,000	\$ 1,295,000	
	Future 1/	1.15	43,000	-	43,000	0.75	141,000	-	141,000	-	-	-	-	-	-	-	-	1.90	184,000	-	184,000	
	Total	1.35	\$ 49,000	\$ -	\$ 49,000	4.30	\$ 705,000	\$ 19,000	\$ 724,000	0.99	\$ 111,000	\$ -	\$ 111,000	-	\$ -	1	\$ 595,000	6.64	\$ 1,460,000	\$ 19,000	\$ 1,479,000	
Total needs, Primary System	53.86	\$1,925,000	\$ 92,000	\$2,017,000	30.47	\$3,048,000	\$ 231,000	\$3,279,000	0.99	\$ 111,000	\$ -	\$ 111,000	17	\$ 478,000	3	\$1,091,000	85.32	\$ 6,653,000	\$ 323,000	\$ 6,976,000		
Edgar	Federal-aid Secondary, rural needs:																					
	Present	-	\$ -	\$ -	\$ -	65.4	\$1,098,665	\$ 73,132	\$1,171,797	-	\$ -	\$ -	\$ -	13	\$ 275,710	-	\$ -	65.4	\$ 1,374,375	\$ 73,132	\$ 1,447,507	
	Future 3/	6.5	31,200	-	31,200	4.5	13,950	-	13,950	-	-	-	-	-	-	-	-	11.0	45,150	-	45,150	
	Total	6.5	\$ 31,200	\$ -	\$ 31,200	69.9	\$1,112,615	\$ 73,132	\$1,185,747	-	\$ -	\$ -	\$ -	13	\$ 275,710	-	\$ -	76.4	\$ 1,419,525	\$ 73,132	\$ 1,492,657	
	Total, All needs	60.36	\$1,956,200	\$ 92,000	\$2,048,200	100.37	\$4,160,615	\$ 304,132	\$4,464,747	0.99	\$ 111,000	\$ -	\$ 111,000	30	\$ 753,710	3	\$1,091,000	161.72	\$ 8,072,525	\$ 396,132	\$ 8,468,657	
	Primary System, rural needs:																					
	Present	2.45	\$ 91,000	\$ 12,000	\$ 103,000	15.87	\$1,344,000	\$ 126,000	\$1,470,000	-	\$ -	\$ -	\$ -	7	\$ 104,000	-	\$ -</					



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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Fayette	Primary System, rural needs: <u>1</u>	14.63	\$ 477,000	\$ 23,000	\$ 500,000	10.15	\$1,099,000	\$ 83,000	\$1,182,000	0.02	\$ 3,000	\$ -	\$ 3,000	15	\$1,014,000	-	\$ -	24.80	\$2,593,000	\$106,000	\$2,699,000	Fayette
	Present	12.86	573,000	81,000	654,000	12.95	970,000	126,000	1,096,000	0.65	902,000	196,000	1,098,000	5	253,000	2	512,000	26.46	3,210,000	403,000	3,613,000	
	Future 1/	27.49	\$1,050,000	\$104,000	\$1,154,000	23.10	\$2,069,000	\$209,000	\$2,278,000	0.67	\$ 905,000	\$196,000	\$1,101,000	20	\$1,267,000	2	\$ 512,000	51.26	\$5,803,000	\$509,000	\$6,312,000	
	Total																					
	Primary System, urban needs: <u>2</u>	0.45	\$ 16,000	\$ -	\$ 16,000	2.57	\$ 445,000	\$ 62,000	\$ 507,000	0.08	\$ 13,000	\$ 3,000	\$ 16,000	-	\$ -	2	\$ 544,000	3.10	\$1,018,000	\$ 65,000	\$1,083,000	
	Present	-	-	-	-	2.67	314,000	39,000	353,000	0.20	70,000	-	70,000	-	-	-	-	2.87	384,000	39,000	423,000	
	Future 1/	0.45	\$ 16,000	\$ -	\$ 16,000	5.24	\$ 759,000	\$101,000	\$ 860,000	0.28	\$ 83,000	\$ 3,000	\$ 86,000	-	\$ -	2	\$ 544,000	5.97	\$1,402,000	\$104,000	\$1,506,000	
	Total																					
Total needs, Primary System	27.94	\$1,066,000	\$104,000	\$1,170,000	28.34	\$2,828,000	\$310,000	\$3,138,000	0.95	\$ 988,000	\$199,000	\$1,187,000	20	\$1,267,000	4	\$1,056,000	57.23	\$7,205,000	\$613,000	\$7,818,000		
Federal-aid Secondary, rural needs: <u>3</u>	13.4	\$ 98,630	\$ -	\$ 98,630	67.1	\$ 487,710	\$ 20,720	\$ 508,430	-	\$ -	\$ -	\$ -	2	\$ 23,400	-	\$ -	80.5	\$ 609,740	\$ 20,720	\$ 630,460		
Present	-	-	-	-	5.5	12,235	-	12,235	-	-	-	-	-	-	-	-	5.5	12,235	-	12,235		
Future 3/	13.4	\$ 98,630	\$ -	\$ 98,630	72.6	\$ 499,945	\$ 20,720	\$ 520,665	-	\$ -	\$ -	\$ -	2	\$ 23,400	-	\$ -	86.0	\$ 621,975	\$ 20,720	\$ 642,695		
Total																						
Total, All needs	41.34	\$1,164,630	\$104,000	\$1,268,630	100.94	\$3,327,945	\$330,720	\$3,658,665	0.95	\$ 988,000	\$199,000	\$1,187,000	22	\$1,290,400	4	\$1,056,000	143.23	\$7,826,975	\$633,720	\$8,460,695		
Ford	Primary System, rural needs: <u>1</u>	22.21	\$ 812,000	\$ 96,000	\$ 908,000	10.32	\$ 912,000	\$113,000	\$1,025,000	1.17	\$ 82,000	\$ -	\$ 82,000	3	\$ 94,000	-	\$ -	33.70	\$1,900,000	\$209,000	\$2,109,000	Ford
	Present	37.48	1,225,000	96,000	1,321,000	-	-	-	-	0.00	189,000	-	189,000	12	353,000	-	-	37.48	1,767,000	96,000	1,863,000	
	Future 1/	59.69	\$2,037,000	\$192,000	\$2,229,000	10.32	\$ 912,000	\$113,000	\$1,025,000	1.17	\$ 271,000	\$ -	\$ 271,000	15	\$ 447,000	-	\$ -	71.18	\$3,667,000	\$305,000	\$3,972,000	
	Total																					
	Primary System, urban needs: <u>2</u>	0.69	\$ 40,000	\$ -	\$ 40,000	2.05	\$ 406,000	\$ 29,000	\$ 435,000	1.99	\$ 164,000	\$ -	\$ 164,000	-	\$ -	3	\$ 516,000	4.73	\$1,126,000	\$ 29,000	\$1,155,000	
	Present	0.34	13,000	-	13,000	0.09	17,000	-	17,000	-	-	-	-	-	-	3	-	0.43	30,000	30,000	30,000	
	Future 1/	1.03	\$ 53,000	\$ -	\$ 53,000	2.14	\$ 423,000	\$ 29,000	\$ 452,000	1.99	\$ 164,000	\$ -	\$ 164,000	-	\$ -	3	\$ 516,000	5.16	\$1,156,000	\$ 29,000	\$1,185,000	
	Total																					
Total needs, Primary System	60.72	\$2,090,000	\$192,000	\$2,282,000	12.46	\$1,335,000	\$142,000	\$1,477,000	3.16	\$ 435,000	\$ -	\$ 435,000	15	\$ 447,000	3	\$ 516,000	76.34	\$4,823,000	\$334,000	\$5,157,000		
Federal-aid Secondary, rural needs: <u>3</u>	-	\$ -	\$ -	\$ -	23.4	\$ 232,440	\$ -	\$ 232,440	-	\$ -	\$ -	\$ -	4	\$ 79,000	-	\$ -	23.4	\$ 311,440	\$ -	\$ 311,440		
Present	-	-	-	-	23.4	\$ 232,440	\$ -	\$ 232,440	-	-	-	-	4	\$ 79,000	-	-	23.4	\$ 311,440	\$ -	\$ 311,440		
Future 3/	-	-	-	-																		
Total																						
Total, All needs	60.72	\$2,090,000	\$192,000	\$2,282,000	35.86	\$1,567,440	\$142,000	\$1,709,440	3.16	\$ 435,000	\$ -	\$ 435,000	19	\$ 526,000	3	\$ 516,000	99.74	\$5,134,440	\$334,000	\$5,468,440		
Franklin	Primary System, rural needs: <u>1</u>	48.45	\$2,066,000	\$314,000	\$2,380,000	10.90	\$1,017,000	\$132,000	\$1,149,000	1.20	\$ 105,000	\$ 47,000	\$ 152,000	18	\$ 831,000	-	\$ -	60.55	\$4,019,000	\$493,000	\$4,512,000	Franklin
	Present	9.53	378,000	39,000	417,000	-	-	-	-	0.00	406,000	-	406,000	7	277,000	1	109,000	9.53	1,170,000	39,000	1,209,000	
	Future 1/	57.98	\$2,444,000	\$353,000	\$2,797,000	10.90	\$1,017,000	\$132,000	\$1,149,000	1.20	\$ 511,000	\$ 47,000	\$ 558,000	25	\$1,108,000	1	\$ 109,000	70.08	\$5,189,000	\$532,000	\$5,721,000	
	Total																					
	Primary System, urban needs: <u>2</u>	5.85	\$ 517,000	\$ 15,000	\$ 532,000	1.95	\$ 320,000	\$ 87,000	\$ 407,000	4.16	\$ 722,000	\$246,000	\$ 968,000	1	\$ 30,000	1	\$ 190,000	11.96	\$1,779,000	\$348,000	\$2,127,000	
	Present	2.81	125,000	3,000	128,000	-	-	-	-	0.00	14,000	10,000	24,000	-	-	-	-	2.81	139,000	13,000	152,000	
	Future 1/	8.66	\$ 642,000	\$ 18,000	\$ 660,000	1.95	\$ 320,000	\$ 87,000	\$ 407,000	4.16	\$ 736,000	\$256,000	\$ 992,000	1	\$ 30,000	1	\$ 190,000	14.77	\$1,918,000	\$361,000	\$2,279,000	
	Total																					
Total needs, Primary System	66.64	\$3,086,000	\$371,000	\$3,457,000	12.85	\$1,337,000	\$219,000	\$1,556,000	5.36	\$1,247,000	\$303,000	\$1,550,000	26	\$1,138,000	2	\$ 299,000	84.85	\$7,107,000	\$893,000	\$8,000,000		
Federal-aid Secondary, rural needs: <u>3</u>	4.0	\$ 147,525	\$ 19,875	\$ 167,400	6.9	\$ 111,978	\$ 2,875	\$ 114,853	-	\$ -	\$ -	\$ -	1	\$ 57,630	-	\$ -	10.9	\$ 317,133	\$ 22,750	\$ 339,883		
Present	-	-	-	-	6.9	\$ 111,978	\$ 2,875	\$ 114,853	-	-	-	-	1	\$ 57,630	-	-	10.9	\$ 317,133	\$ 22,750	\$ 339,883		
Future 3/	4.0	\$ 147,525	\$ 19,875	\$ 167,400																		
Total																						
Total, All needs	70.64	\$3,233,525	\$390,875	\$3,624,400	19.75	\$1,448,978	\$221,875	\$1,670,853	5.36	\$1,247,000	\$303,000	\$1,550,000	27	\$1,195,630	2	\$ 299,000	95.75	\$7,424,133	\$915,750	\$8,339,883		
Fulton	Primary System, rural needs: <u>1</u>	70.08	\$2,679,000	\$ 65,000	\$2,744,000	19.21	\$1,455,000	\$115,000	\$1,570,000	3.72	\$ 391,000	\$ 35,000	\$ 426,000	5	\$ 145,000	2	\$ 357,000	93.01	\$5,027,000	\$215,000	\$5,242,000	Fulton
	Present	20.84	582,000	-	582,000	0.47	149,000	21,000	170,000	0.28	25,000	4,000	29,000	4	446,000	-	-	21.59	1,202,000	25,000	1,227,000	
	Future 1/	90.92	\$3,261,000	\$ 65,000	\$3,326,000	19.68	\$1,604,000	\$136,000	\$1,740,000	4.00	\$ 416,000	\$ 39,000	\$ 455,000	9	\$ 591,000	2	\$ 357,000	114.60	\$6,229,000	\$240,000	\$6,469,000	
	Total																					
	Primary System, urban needs: <u>2</u>	3.59	\$ 173,000	\$ 10,000	\$ 183,000	0.42	\$ 37,000	\$ 2,000	\$ 39,000	5.49	\$ 694,000	\$ 64,000	\$ 758,000	1	\$ 193,000	1	\$ 126,000	9.50	\$1,223,000	\$ 76,000	\$1,299,000	
	Present	0.45	14,000	-	14,000	0.00	65,000	11,000	76,000	0.25	23,000	20,000	43,000	-	-	-	-	0.70	102,000	31,000	133,000	
	Future 1/	4.04	\$ 187,000	\$ 10,000	\$ 197,000	0.42	\$ 102,000	\$ 13,000	\$ 115,000	5.74	\$ 717,000	\$ 84,000	\$ 801,000	1	\$ 193,000	1	\$ 126,000	10.20	\$1,325,000	\$107,000	\$1,432,000	
	Total																					
Total needs, Primary System	94.96	\$3,448,000	\$ 75,000	\$3,523,000	20.10	\$1,706,000	\$149,000	\$1,855,000	9.74	\$1,133,000	\$123,000	\$1,256,000	10	\$ 784,000	3	\$ 483,000	124.80	\$7,554,000	\$347,000	\$7,901,000		
Federal-aid Secondary, rural needs: <u>3</u>	8.9	\$ 44,280	\$ -	\$ 44,280	73.8	\$ 671,635	\$ 12,150	\$ 683,785	-	\$ -	\$ -	\$ -	5	\$ 526,260	-	\$ -	82.7	\$1,242,175	\$ 12,150	\$1,254,325		
Present	-	-	-	-	10.7	34,075	-	34,075	-	-	-	-	-	-	-	-	10.7	34,075	-	34,075		
Future 3/	8.9	\$ 44,280	\$ -	\$ 44,280	84.5	\$ 705,710	\$ 12,150	\$ 717,860	-	-	-	-	5	\$ 526,260	-	-	93.4	\$1,276,250	\$ 12,150	\$1,288,400		
Total																						
Total, All needs	103.86	\$3,492,280	\$ 75,000	\$3,567,280	104.60	\$2,411,710	\$161,150	\$2,572,860	9.74	\$1,133,000	\$123,000	\$1,256,000	15	\$1,310,260	3	\$ 483,000	218.20	\$8,830,250	\$359,150	\$9,189,400		
Gallatin	Primary System, rural needs: <u>1</u>	8.48	\$ 336,000	\$ 36,000	\$ 372,000	9.96	\$1,020,000	\$ 56,000	\$1,076,000	-	\$ -	\$ -	\$ -	8	\$ 341,000	-	\$ -	18.44	\$1,697,000	\$ 92,000	\$1,789,000	Gallatin
	Present	11.38	352,000	-	352,000	-	-	-	-	-	-	-	-	1	25,000	-	-	11.38	377,000	-	377,000	
	Future 1/	19.86	\$ 688,000	\$ 36,000	\$ 724,000	9.96	\$1,020,000	\$ 56,000	\$1,076,000	-	\$ -	\$ -	\$ -	9	\$ 366,000	-	\$ -	29.82	\$2,074,000	\$ 92,000	\$2,166,000	
	Total																					
	Primary System, urban needs: <u>2</u>	0.41	\$ 13,000	\$ -	\$ 13,000	0.57	\$ 63,000	\$ 4,000	\$ 67,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	0.98	\$ 76,000	\$ 4,000	\$ 80,000	
	Present	2.82	89,000	-	89,000	0.29	32,000	2,000	34,000	-	-	-	-	-	-	-	-	3.11	121,000	2,000	123,000	
	Future 1/	3.23	\$ 102,000	\$ -	\$ 102,000	0.86	\$ 95,000	\$ 6,000	\$ 101,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	4.09	\$ 197,000	\$ 6,000	\$ 203,000	
	Total																					
Total needs, Primary System	23.09	\$ 790,000	\$ 36,000	\$ 826,000	10.82	\$1,115,000	\$ 62,000	\$1,177,000	-	\$ -	\$ -	\$ -	9	\$ 366,000	-	\$ -	33.91	\$2,271,000	\$ 98,000	\$2,369,000		
F																						

- 1/ Deficiencies estimated to occur in the period 1952 to 1960, inclusive.
- 2/ Primary System urban needs include needs on this system in all incorporated places.
- 3/ Deficiencies estimated to occur in the period 1952 to 1955, inclusive.



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- 1/ Deficiencies estimated to occur in the period 1952 to 1960, inclusive.
- 2/ Primary System urban needs include needs on this system in all incorporated places.
- 3/ Deficiencies estimated to occur in the period 1952 to 1955, inclusive.

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Henderson	Primary System, rural needs:	19.23	\$ 741,000	\$ 79,000	\$ 820,000	3.23	\$ 291,000	\$ 37,000	\$ 328,000	-	\$ -	\$ -	\$ -	4	\$ 313,000	1	\$ 178,000	22.46	\$ 1,523,000	\$ 116,000	\$ 1,639,000	Henderson
	Present	16.13	337,000	-	337,000	-	-	-	-	-	-	-	-	2	66,000	-	-	16.13	403,000	-	403,000	
	Future 1/	35.36	\$1,078,000	\$ 79,000	\$1,157,000	3.23	\$ 291,000	\$ 37,000	\$ 328,000	-	-	\$ -	\$ -	6	\$ 379,000	1	\$ 178,000	38.59	\$ 1,926,000	\$ 116,000	\$ 2,042,000	
	Total																					
	Primary System, urban needs: 2/	-	\$ -	\$ -	\$ -	0.96	\$ 104,000	\$ 19,000	\$ 123,000	0.44	\$ 28,000	\$ -	\$ 28,000	-	\$ -	-	\$ -	1.40	\$ 132,000	\$ 19,000	\$ 151,000	
	Present	3.62	71,000	-	71,000	-	-	-	-	-	-	-	-	-	-	-	-	3.62	71,000	-	71,000	
	Future 1/	3.62	\$ 71,000	\$ -	\$ 71,000	0.96	\$ 104,000	\$ 19,000	\$ 123,000	0.44	\$ 28,000	\$ -	\$ 28,000	-	\$ -	-	\$ -	5.02	\$ 203,000	\$ 19,000	\$ 222,000	
	Total																					
Total needs, Primary System	38.98	\$1,149,000	\$ 79,000	\$1,228,000	4.19	\$ 395,000	\$ 56,000	\$ 451,000	0.44	\$ 28,000	\$ -	\$ 28,000	6	\$ 379,000	1	\$ 178,000	43.61	\$ 2,129,000	\$ 135,000	\$ 2,264,000		
Federal-aid Secondary, rural needs:	-	\$ -	\$ -	\$ -	33.9	\$ 540,520	\$ 7,880	\$ 548,400	-	\$ -	\$ -	\$ -	3	\$ 46,380	-	\$ -	33.9	\$ 586,900	\$ 7,880	\$ 594,780		
Present	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Future 3/	-	-	-	-	33.9	\$ 540,520	\$ 7,880	\$ 548,400	-	-	-	-	3	\$ 46,380	-	-	33.9	\$ 586,900	\$ 7,880	\$ 594,780		
Total																						
Total, All needs	38.98	\$1,149,000	\$ 79,000	\$1,228,000	38.09	\$ 935,520	\$ 63,880	\$ 999,400	0.44	\$ 28,000	\$ -	\$ 28,000	9	\$ 425,380	1	\$ 178,000	77.51	\$ 2,715,900	\$ 142,880	\$ 2,858,780		
Henry	Primary System, rural needs:	53.98	\$1,838,000	\$271,000	\$2,109,000	17.05	\$1,650,000	\$ 371,000	\$ 2,021,000	-	\$ -	\$ -	\$ -	10	\$ 710,000	3	\$ 765,000	71.03	\$ 4,963,000	\$ 642,000	\$ 5,605,000	Henry
	Present	20.19	738,000	10,000	748,000	0.53	49,000	2,000	51,000	-	-	-	-	2	145,000	-	-	20.72	932,000	12,000	944,000	
	Future 1/	74.17	\$2,576,000	\$281,000	\$2,857,000	17.58	\$1,699,000	\$ 373,000	\$ 2,072,000	-	-	\$ -	\$ -	12	\$ 855,000	3	\$ 765,000	91.75	\$ 5,895,000	\$ 654,000	\$ 6,549,000	
	Total																					
	Primary System, urban needs: 2/	1.63	\$ 94,000	\$ -	\$ 94,000	4.31	\$ 654,000	\$ 218,000	\$ 872,000	1.10	\$ 145,000	\$ -	\$ 145,000	-	\$ -	2	\$ 466,000	7.04	\$ 1,359,000	\$ 218,000	\$ 1,577,000	
	Present	1.23	43,000	-	43,000	-	-	-	-	-	-	-	-	-	-	-	-	1.23	43,000	-	43,000	
	Future 1/	2.86	\$ 137,000	\$ -	\$ 137,000	4.31	\$ 654,000	\$ 218,000	\$ 872,000	1.10	\$ 145,000	\$ -	\$ 145,000	-	\$ -	2	\$ 466,000	8.27	\$ 1,402,000	\$ 218,000	\$ 1,620,000	
	Total																					
Total needs, Primary System	77.03	\$2,713,000	\$281,000	\$2,994,000	21.89	\$2,353,000	\$ 591,000	\$ 2,944,000	1.10	\$ 145,000	\$ -	\$ 145,000	12	\$ 855,000	5	\$1,231,000	100.02	\$ 7,297,000	\$ 872,000	\$ 8,169,000		
Federal-aid Secondary, rural needs:	4.3	\$ 33,700	\$ -	\$ 33,700	59.4	\$ 742,680	\$ 7,440	\$ 750,120	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	63.7	\$ 776,380	\$ 7,440	\$ 783,820		
Present	19.2	76,800	-	76,800	2.0	8,000	-	8,000	-	-	-	-	-	-	-	-	21.2	84,800	-	84,800		
Future 3/	23.5	\$ 110,500	\$ -	\$ 110,500	61.4	\$ 750,680	\$ 7,440	\$ 758,120	-	-	-	-	-	-	-	-	84.9	\$ 861,180	\$ 7,440	\$ 868,620		
Total																						
Total, All needs	100.53	\$2,823,500	\$281,000	\$3,104,500	83.29	\$3,103,680	\$ 598,440	\$ 3,702,120	1.10	\$ 145,000	\$ -	\$ 145,000	12	\$ 855,000	5	\$1,231,000	184.92	\$ 8,158,180	\$ 879,440	\$ 9,037,620		
Iroquois	Primary System, rural needs:	37.41	\$1,387,000	\$177,000	\$1,564,000	52.01	\$5,507,000	\$ 930,000	\$ 6,437,000	0.11	\$ 123,000	\$ -	\$ 123,000	21	\$ 777,000	7	\$2,028,000	89.53	\$ 9,822,000	\$1,107,000	\$10,929,000	Iroquois
	Present	33.63	844,000	75,000	919,000	2.60	349,000	19,000	368,000	0.00	825,000	-	825,000	7	279,000	-	-	36.23	2,297,000	94,000	2,391,000	
	Future 1/	71.04	\$2,231,000	\$252,000	\$2,483,000	54.61	\$5,856,000	\$ 949,000	\$ 6,805,000	0.11	\$ 948,000	\$ -	\$ 948,000	28	\$1,056,000	7	\$2,028,000	125.76	\$12,119,000	\$1,201,000	\$13,320,000	
	Total																					
	Primary System, urban needs: 2/	1.76	\$ 83,000	\$ 2,000	\$ 85,000	8.25	\$1,393,000	\$ 250,000	\$ 1,643,000	2.45	\$ 288,000	\$ -	\$ 288,000	-	\$ -	2	\$ 638,000	12.46	\$ 2,402,000	\$ 252,000	\$ 2,654,000	
	Present	0.92	18,000	-	18,000	-	-	-	-	0.00	160,000	-	160,000	1	66,000	-	-	0.92	244,000	-	244,000	
	Future 1/	2.68	\$ 101,000	\$ 2,000	\$ 103,000	8.25	\$1,393,000	\$ 250,000	\$ 1,643,000	2.45	\$ 448,000	\$ -	\$ 448,000	1	\$ 66,000	2	\$ 638,000	13.38	\$ 2,646,000	\$ 252,000	\$ 2,898,000	
	Total																					
Total needs, Primary System	73.72	\$2,332,000	\$254,000	\$2,586,000	62.86	\$7,249,000	\$1,199,000	\$ 8,448,000	2.56	\$1,396,000	\$ -	\$1,396,000	29	\$1,122,000	9	\$2,666,000	139.14	\$14,765,000	\$1,453,000	\$16,218,000		
Federal-aid Secondary, rural needs:	-	\$ -	\$ -	\$ -	127.1	\$2,066,420	\$ -	\$ 2,066,420	-	\$ -	\$ -	\$ -	24	\$ 932,380	-	\$ -	127.1	\$ 2,998,800	\$ -	\$ 2,998,800		
Present	-	-	-	-	20.6	105,800	-	105,800	-	-	-	-	-	-	-	-	20.6	105,800	-	105,800		
Future 3/	-	-	-	-	147.7	\$2,172,220	\$ -	\$ 2,172,220	-	-	-	-	24	\$ 932,380	-	-	147.7	\$ 3,104,600	\$ -	\$ 3,104,600		
Total																						
Total, All needs	73.72	\$2,332,000	\$254,000	\$2,586,000	210.56	\$9,421,220	\$1,199,000	\$10,620,220	2.56	\$1,396,000	\$ -	\$1,396,000	53	\$2,054,380	9	\$2,666,000	286.84	\$17,869,600	\$1,453,000	\$19,322,600		
Jackson	Primary System, rural needs:	20.48	\$ 827,000	\$ 99,000	\$ 926,000	30.84	\$3,775,000	\$1,012,000	\$ 4,787,000	-	\$ -	\$ -	\$ -	10	\$ 549,000	4	\$ 739,000	51.32	\$ 5,890,000	\$1,111,000	\$ 7,001,000	Jackson
	Present	25.49	773,000	13,000	786,000	0.47	77,000	7,000	84,00													



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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County		System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
			Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Jefferson	Primary System, rural needs:																						
	Present	32.18	\$1,331,000	\$231,000	\$1,562,000	9.95	\$ 961,000	\$ 120,000	\$ 1,081,000	4.33	\$ 576,000	\$ 43,000	\$ 619,000	27	\$1,027,000	1	\$ 176,000	46.46	\$ 4,071,000	\$ 394,000	\$ 4,465,000	Jefferson	
	Future 1/	-	-	-	-	-	-	-	-	0.16	20,000	-	20,000	-	-	-	-	0.16	20,000	-	20,000		
	Total	32.18	\$1,331,000	\$231,000	\$1,562,000	9.95	\$ 961,000	\$ 120,000	\$ 1,081,000	4.49	\$ 596,000	\$ 43,000	\$ 639,000	27	\$1,027,000	1	\$ 176,000	46.62	\$ 4,091,000	\$ 394,000	\$ 4,485,000		
	Primary System, urban needs: 2/																						
	Present	3.70	\$ 147,000	\$ 16,000	\$ 163,000	-	\$ -	\$ -	\$ -	3.23	\$ 561,000	\$ 68,000	\$ 629,000	-	\$ -	3	\$1,787,000	6.93	\$ 2,495,000	\$ 84,000	\$ 2,579,000		
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	3.70	\$ 147,000	\$ 16,000	\$ 163,000	-	\$ -	\$ -	\$ -	3.23	\$ 561,000	\$ 68,000	\$ 629,000	-	\$ -	3	\$1,787,000	6.93	\$ 2,495,000	\$ 84,000	\$ 2,579,000		
Total needs, Primary System	35.88	\$1,478,000	\$247,000	\$1,725,000	9.95	\$ 961,000	\$ 120,000	\$ 1,081,000	7.72	\$1,157,000	\$111,000	\$1,268,000	27	\$1,027,000	4	\$1,963,000	53.55	\$ 6,586,000	\$ 478,000	\$ 7,064,000			
Federal-aid Secondary, rural needs:																							
Present	3.8	\$ 41,890	\$ -	\$ 41,890	57.4	\$ 356,359	\$ 2,120	\$ 358,479	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	61.2	\$ 398,249	\$ 2,120	\$ 400,369	Jefferson		
Future 3/	-	-	-	-	1.4	4,620	-	4,620	-	-	-	-	-	-	-	-	1.4	4,620	-	4,620			
Total	3.8	\$ 41,890	\$ -	\$ 41,890	58.8	\$ 360,979	\$ 2,120	\$ 363,099	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	62.6	\$ 402,869	\$ 2,120	\$ 404,989			
Total, All needs	39.68	\$1,519,890	\$247,000	\$1,766,890	68.75	\$1,321,979	\$ 122,120	\$ 1,444,099	7.72	\$1,157,000	\$111,000	\$1,268,000	27	\$1,027,000	4	\$1,963,000	116.15	\$ 6,988,869	\$ 480,120	\$ 7,468,989			
Jersey	Primary System, rural needs:																						
	Present	18.05	\$ 807,000	\$ 96,000	\$ 903,000	12.31	\$ 998,000	\$ 35,000	\$ 1,033,000	-	\$ -	\$ -	\$ -	3	\$ 105,000	-	\$ -	30.36	\$ 1,910,000	\$ 131,000	\$ 2,041,000	Jersey	
	Future 1/	7.34	166,000	-	166,000	-	-	-	-	-	-	-	-	-	-	-	-	7.34	166,000	-	166,000		
	Total	25.39	\$ 973,000	\$ 96,000	\$1,069,000	12.31	\$ 998,000	\$ 35,000	\$ 1,033,000	-	\$ -	\$ -	\$ -	3	\$ 105,000	-	\$ -	37.70	\$ 2,076,000	\$ 131,000	\$ 2,207,000		
	Primary System, urban needs: 2/																						
	Present	1.24	\$ 49,000	\$ 7,000	\$ 56,000	-	\$ -	\$ -	\$ -	4.01	\$ 494,000	\$ 77,000	\$ 571,000	-	\$ -	-	\$ -	5.25	\$ 543,000	\$ 84,000	\$ 627,000		
	Future 1/	0.35	14,000	-	14,000	-	-	-	-	-	-	-	-	-	-	-	-	0.35	14,000	-	14,000		
	Total	1.59	\$ 63,000	\$ 7,000	\$ 70,000	-	\$ -	\$ -	\$ -	4.01	\$ 494,000	\$ 77,000	\$ 571,000	-	\$ -	-	\$ -	5.60	\$ 557,000	\$ 84,000	\$ 641,000		
Total needs, Primary System	26.98	\$1,036,000	\$103,000	\$1,139,000	12.31	\$ 998,000	\$ 35,000	\$ 1,033,000	4.01	\$ 494,000	\$ 77,000	\$ 571,000	3	\$ 105,000	-	\$ -	43.30	\$ 2,633,000	\$ 215,000	\$ 2,848,000			
Federal-aid Secondary, rural needs:																							
Present	3.9	\$ 17,940	\$ -	\$ 17,940	40.2	\$ 488,065	\$ 4,153	\$ 492,218	-	\$ -	\$ -	\$ -	5	\$ 58,500	-	\$ -	44.1	\$ 564,505	\$ 4,153	\$ 568,658	Jersey		
Future 3/	1.5	17,175	-	17,175	-	-	-	-	-	-	-	-	-	-	-	-	1.5	17,175	-	17,175			
Total	5.4	\$ 35,115	\$ -	\$ 35,115	40.2	\$ 488,065	\$ 4,153	\$ 492,218	-	\$ -	\$ -	\$ -	5	\$ 58,500	-	\$ -	45.6	\$ 581,680	\$ 4,153	\$ 585,833			
Total, All needs	32.38	\$1,071,115	\$103,000	\$1,174,115	52.51	\$1,486,065	\$ 39,153	\$ 1,525,218	4.01	\$ 494,000	\$ 77,000	\$ 571,000	8	\$ 163,500	-	\$ -	88.90	\$ 3,214,680	\$ 219,153	\$ 3,433,833			
JoDavies	Primary System, rural needs:																						
	Present	16.03	\$ 677,000	\$ 33,000	\$ 710,000	21.43	\$2,032,000	\$ 140,000	\$ 2,172,000	0.40	\$ 41,000	\$ 2,000	\$ 43,000	3	\$ 113,000	1	\$ 187,000	37.86	\$ 3,050,000	\$ 175,000	\$ 3,225,000	JoDavies	
	Future 1/	16.00	496,000	11,000	507,000	1.66	149,000	6,000	155,000	0.00	242,000	-	242,000	3	238,000	-	-	17.66	1,125,000	17,000	1,142,000		
	Total	32.03	\$1,173,000	\$ 44,000	\$1,217,000	23.09	\$2,181,000	\$ 146,000	\$ 2,327,000	0.40	\$ 283,000	\$ 2,000	\$ 285,000	6	\$ 351,000	1	\$ 187,000	55.52	\$ 4,175,000	\$ 192,000	\$ 4,367,000		
	Primary System, urban needs: 2/																						
	Present	2.11	\$ 154,000	\$ 4,000	\$ 158,000	2.04	\$ 185,000	\$ 12,000	\$ 197,000	0.15	\$ 15,000	\$ -	\$ 15,000	1	\$ 95,000	2	\$ 595,000	4.30	\$ 1,044,000	\$ 16,000	\$ 1,060,000		
	Future 1/	0.90	32,000	-	32,000	-	-	-	-	0.80	92,000	-	92,000	1	25,000	-	-	1.70	149,000	-	149,000		
	Total	3.01	\$ 186,000	\$ 4,000	\$ 190,000	2.04	\$ 185,000	\$ 12,000	\$ 197,000	0.95	\$ 107,000	\$ -	\$ 107,000	2	\$ 120,000	2	\$ 595,000	6.00	\$ 1,193,000	\$ 16,000	\$ 1,209,000		
Total needs, Primary System	35.04	\$1,359,000	\$ 48,000	\$1,407,000	25.13	\$2,366,000	\$ 158,000	\$ 2,524,000	1.35	\$ 390,000	\$ 2,000	\$ 392,000	8	\$ 471,000	3	\$ 782,000	61.52	\$ 5,368,000	\$ 208,000	\$ 5,576,000			
Federal-aid Secondary, rural needs:																							
Present	-	\$ -	\$ -	\$ -	30.3	\$ 420,780	\$ 7,600	\$ 428,380	-	\$ -	\$ -	\$ -	7	\$ 93,500	-	\$ -	30.3	\$ 514,280	\$ 7,600	\$ 521,880	JoDavies		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	1	29,000	-	-	0.00	29,000	-	29,000			
Total	-	\$ -	\$ -	\$ -	30.3	\$ 420,780	\$ 7,600	\$ 428,380	-	\$ -	\$ -	\$ -	8	\$ 122,500	-	\$ -	30.3	\$ 543,280	\$ 7,600	\$ 550,880			
Total, All needs	35.04	\$1,359,000	\$ 48,000	\$1,407,000	55.43	\$2,786,780	\$ 165,600	\$ 2,952,380	1.35	\$ 390,000	\$ 2,000	\$ 392,000	16	\$ 593,500	3	\$ 782,000	91.82	\$ 5,911,280	\$ 215,600	\$ 6,126,880			
Johnson	Primary System, rural needs:																						
	Present	19.62	\$ 716,000	\$ 50,000	\$ 766,000	12.37	\$1,029,000	\$ 107,000	\$ 1,136,000	-	\$ -	\$ -	\$ -	5	\$ 155,000	1	\$ 26,000	31.99	\$ 1,926,000	\$			

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Kankakee	Primary System, rural needs:																					
	Present	52.64	\$2,150,000	\$218,000	\$2,368,000	24.13	\$ 5,468,000	\$ 845,000	\$ 6,313,000	4.05	\$ 511,000	\$ 13,000	\$ 524,000	13	\$2,087,000	9	\$1,891,000	80.82	\$12,107,000	\$1,076,000	\$13,183,000	
	Future 1/	12.49	584,000	14,000	598,000	1.36	248,000	19,000	267,000	-	-	-	-	5	179,000	-	-	13.85	1,011,000	33,000	1,044,000	
	Total	65.13	\$2,734,000	\$232,000	\$2,966,000	25.49	\$ 5,716,000	\$ 864,000	\$ 6,580,000	4.05	\$ 511,000	\$ 13,000	\$ 524,000	18	\$2,266,000	9	\$1,891,000	94.67	\$13,118,000	\$1,109,000	\$14,227,000	
	Primary System, urban needs: 2/																					
	Present	1.15	\$ 48,000	\$ 1,000	\$ 49,000	5.57	\$ 1,588,000	\$ 100,000	\$ 1,688,000	2.05	\$ 316,000	\$ -	\$ 316,000	3	\$1,190,000	4	\$1,247,000	8.77	\$ 4,389,000	\$ 101,000	\$ 4,490,000	
	Future 1/	0.73	44,000	-	44,000	1.39	462,000	-	462,000	1.24	193,000	-	193,000	-	-	-	-	3.36	699,000	-	699,000	
	Total	1.88	\$ 92,000	\$ 1,000	\$ 93,000	6.96	\$ 2,050,000	\$ 100,000	\$ 2,150,000	3.29	\$ 509,000	\$ -	\$ 509,000	3	\$1,190,000	4	\$1,247,000	12.13	\$ 5,088,000	\$ 101,000	\$ 5,189,000	
	Total needs, Primary System	67.01	\$2,826,000	\$233,000	\$3,059,000	32.45	\$ 7,766,000	\$ 964,000	\$ 8,730,000	7.34	\$1,020,000	\$ 13,000	\$1,033,000	21	\$3,456,000	13	\$3,138,000	106.80	\$18,206,000	\$1,210,000	\$19,416,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	18.8	\$ 402,440	\$ 6,813	\$ 409,253	-	\$ -	\$ -	\$ -	8	\$ 174,890	-	\$ -	18.8	\$ 577,330	\$ 6,813	\$ 584,143		
Future 3/	5.8	40,900	-	40,900	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	40,900	-	40,900	
Total	5.8	\$ 40,900	\$ -	\$ 40,900	18.8	\$ 402,440	\$ 6,813	\$ 409,253	-	\$ -	\$ -	\$ -	8	\$ 174,890	-	\$ -	24.6	\$ 618,230	\$ 6,813	\$ 625,043		
Total, All needs	72.81	\$2,866,900	\$233,000	\$3,099,900	51.25	\$ 8,168,440	\$ 970,813	\$ 9,139,253	7.34	\$1,020,000	\$ 13,000	\$1,033,000	29	\$3,630,890	13	\$3,138,000	131.40	\$18,824,230	\$1,216,813	\$20,041,043		
Kendall	Primary System, rural needs:																					
	Present	2.21	\$ 102,000	\$ 16,000	\$ 118,000	4.25	\$ 379,000	\$ 37,000	\$ 416,000	-	\$ -	\$ -	\$ -	4	\$ 321,000	-	\$ -	6.46	\$ 802,000	\$ 53,000	\$ 855,000	
	Future 1/	22.22	848,000	28,000	876,000	-	-	-	-	-	-	-	-	4	-	-	-	22.22	848,000	28,000	876,000	
	Total	24.43	\$ 950,000	\$ 44,000	\$ 994,000	4.25	\$ 379,000	\$ 37,000	\$ 416,000	-	\$ -	\$ -	\$ -	-	\$ 321,000	-	\$ -	28.68	\$ 1,650,000	\$ 81,000	\$ 1,731,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	
	Total needs, Primary System	24.43	\$ 950,000	\$ 44,000	\$ 994,000	4.25	\$ 379,000	\$ 37,000	\$ 416,000	-	\$ -	\$ -	\$ -	4	\$ 321,000	-	\$ -	28.68	\$ 1,650,000	\$ 81,000	\$ 1,731,000	
	Federal-aid Secondary, rural needs:																					
Present	5.9	\$ 28,320	\$ -	\$ 28,320	31.8	\$ 729,900	\$ 17,600	\$ 747,500	-	\$ -	\$ -	\$ -	5	\$ 277,900	-	\$ -	37.7	\$ 1,036,120	\$ 17,600	\$ 1,053,720		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	5.9	\$ 28,320	\$ -	\$ 28,320	31.8	\$ 729,900	\$ 17,600	\$ 747,500	-	\$ -	\$ -	\$ -	5	\$ 277,900	-	\$ -	37.7	\$ 1,036,120	\$ 17,600	\$ 1,053,720		
Total, All needs	30.33	\$ 978,320	\$ 44,000	\$1,022,320	36.05	\$ 1,108,900	\$ 54,600	\$ 1,163,500	-	\$ -	\$ -	\$ -	9	\$ 598,900	-	\$ -	66.38	\$ 2,686,120	\$ 98,600	\$ 2,784,720		
Knox	Primary System, rural needs:																					
	Present	52.77	\$2,164,000	\$ 87,000	\$2,251,000	14.06	\$ 2,198,000	\$ 456,000	\$ 2,654,000	1.06	\$ 134,000	\$ 22,000	\$ 156,000	4	\$ 406,000	9	\$1,583,000	67.89	\$ 6,485,000	\$ 565,000	\$ 7,050,000	
	Future 1/	10.82	365,000	3,000	368,000	0.00	140,000	26,000	166,000	-	-	-	-	2	35,000	1	129,000	10.82	669,000	29,000	698,000	
	Total	63.59	\$2,529,000	\$ 90,000	\$2,619,000	14.06	\$ 2,338,000	\$ 482,000	\$ 2,820,000	1.06	\$ 134,000	\$ 22,000	\$ 156,000	6	\$ 441,000	10	\$1,712,000	78.71	\$ 7,154,000	\$ 594,000	\$ 7,748,000	
	Primary System, urban needs: 2/																					
	Present	4.82	\$ 213,000	\$ 2,000	\$ 215,000	4.04	\$ 320,000	\$ 63,000	\$ 383,000	5.06	\$ 700,000	\$ 21,000	\$ 721,000	1	\$ 28,000	5	\$2,439,000	13.92	\$ 3,700,000	\$ 86,000	\$ 3,786,000	
	Future 1/	1.02	36,000	-	36,000	-	-	-	-	0.86	184,000	-	184,000	-	-	-	-	1.88	220,000	-	220,000	
	Total	5.84	\$ 249,000	\$ 2,000	\$ 251,000	4.04	\$ 320,000	\$ 63,000	\$ 383,000	5.92	\$ 884,000	\$ 21,000	\$ 905,000	1	\$ 28,000	5	\$2,439,000	15.80	\$ 3,920,000	\$ 86,000	\$ 4,006,000	
	Total needs, Primary System	69.43	\$2,778,000	\$ 92,000	\$2,870,000	18.10	\$ 2,658,000	\$ 545,000	\$ 3,203,000	6.98	\$1,018,000	\$ 43,000	\$1,061,000	7	\$ 469,000	15	\$4,151,000	94.51	\$11,074,000	\$ 680,000	\$11,754,000	
	Federal-aid Secondary, rural needs:																					
Present	7.6	\$ 26,110	\$ -	\$ 26,110	26.3	\$ 251,890	\$ 300	\$ 252,190	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	33.9	\$ 278,000	\$ 300	\$ 278,300		
Future 3/	-	-	-	-	12.5	51,190	-	51,190	-	-	-	-	-	-	-	-	12.5	51,190	-	51,190		
Total	7.6	\$ 26,110	\$ -	\$ 26,110	38.8	\$ 303,080	\$ 300	\$ 303,380	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	46.4	\$ 329,190	\$ 300	\$ 329,490		
Total, All needs	77.03	\$2,804,110	\$ 92,000	\$2,896,110	56.90	\$ 2,961,080	\$ 545,300	\$ 3,506,380	6.98	\$1,018,000	\$ 43,000	\$1,061,000	7	\$ 469,000	15	\$4,151,000	140.91	\$11,403,190	\$ 680,300	\$12,083,490		
Lake	Primary System, rural needs:																					
	Present	67.50	\$3,627,000	\$296,000	\$3,923,000	24.69	\$ 3,323,000	\$ 347,000	\$ 3,670,000	10.85	\$1,822,000	\$ 526,000	\$2,348,000	4	\$ 120,000	19	\$4,372,000	103.04	\$13,264,000	\$1,169,000	\$14,433,000	
	Future 1/	15.95	696,000	71,000																		

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)																						
County	System	Resurfacing with or without Widening			Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County	
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost		Total Cost
Lawrence	Primary System, rural needs:																					
	Present	9.80	\$ 388,000	\$ 55,000	\$ 443,000	6.21	\$ 797,000	\$134,000	\$ 931,000	0.23	\$ 566,000	\$236,000	\$ 802,000	16	\$1,805,000	2	\$ 474,000	16.24	\$ 4,030,000	\$425,000	\$ 4,455,000	
	Future 1/	15.41	631,000	92,000	723,000	-	-	-	-	-	-	-	-	5	469,000	-	-	15.41	1,100,000	92,000	1,192,000	
	Total	25.21	\$1,019,000	\$147,000	\$1,166,000	6.21	\$ 797,000	\$134,000	\$ 931,000	0.23	\$ 566,000	\$236,000	\$ 802,000	21	\$2,274,000	2	\$ 474,000	31.65	\$ 5,130,000	\$517,000	\$ 5,647,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	0.00	\$ 99,000	\$ 40,000	\$ 139,000	1.78	\$ 250,000	\$ 51,000	\$ 301,000	-	\$ -	3	\$ 394,000	1.78	\$ 743,000	\$ 91,000	\$ 834,000	
	Future 1/	0.18	6,000	-	6,000	-	-	-	-	-	-	-	-	-	-	3	6,000	-	0.18	6,000	-	6,000
	Total	0.18	\$ 6,000	\$ -	\$ 6,000	0.00	\$ 99,000	\$ 40,000	\$ 139,000	1.78	\$ 250,000	\$ 51,000	\$ 301,000	-	\$ -	3	\$ 394,000	1.96	\$ 749,000	\$ 91,000	\$ 840,000	
	Total needs, Primary System	25.39	\$1,025,000	\$147,000	\$1,172,000	6.21	\$ 896,000	\$174,000	\$1,070,000	2.01	\$ 816,000	\$287,000	\$1,103,000	21	\$2,274,000	5	\$ 868,000	33.61	\$ 5,879,000	\$608,000	\$ 6,487,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	3.7	\$ 35,010	\$ 160	\$ 35,170	-	\$ -	\$ -	\$ -	2	\$ 32,100	-	\$ -	3.7	\$ 67,110	\$ 160	\$ 67,270		
Future 3/	6.5	20,700	-	20,700	12.8	110,250	3,590	113,840	-	-	-	-	-	-	-	-	19.3	130,950	3,590	134,540		
Total	6.5	\$ 20,700	\$ -	\$ 20,700	16.5	\$ 145,260	\$ 3,750	\$ 149,010	-	\$ -	\$ -	\$ -	2	\$ 32,100	-	\$ -	23.0	\$ 198,060	\$ 3,750	\$ 201,810		
Total, All needs	31.89	\$1,045,700	\$147,000	\$1,192,700	22.71	\$1,041,260	\$177,750	\$1,219,010	2.01	\$ 816,000	\$287,000	\$1,103,000	23	\$2,306,100	5	\$ 868,000	56.61	\$ 6,077,060	\$611,750	\$ 6,688,810		
Lee	Primary System, rural needs:																					
	Present	45.20	\$1,762,000	\$102,000	\$1,864,000	25.30	\$2,559,000	\$159,000	\$2,718,000	1.98	\$ 263,000	\$ 4,000	\$ 267,000	12	\$ 291,000	1	\$ 227,000	72.48	\$ 5,102,000	\$265,000	\$ 5,367,000	
	Future 1/	21.16	583,000	-	583,000	-	-	-	-	-	-	-	-	4	208,000	-	-	21.16	791,000	-	791,000	
	Total	66.36	\$2,345,000	\$102,000	\$2,447,000	25.30	\$2,559,000	\$159,000	\$2,718,000	1.98	\$ 263,000	\$ 4,000	\$ 267,000	16	\$ 499,000	1	\$ 227,000	93.64	\$ 5,893,000	\$265,000	\$ 6,158,000	
	Primary System, urban needs: 2/																					
	Present	1.98	\$ 120,000	\$ 7,000	\$ 127,000	0.75	\$ 133,000	\$ 3,000	\$ 136,000	2.08	\$ 290,000	\$ 17,000	\$ 307,000	-	\$ -	1	\$ 185,000	4.81	\$ 728,000	\$ 27,000	\$ 755,000	
	Future 1/	0.36	26,000	-	26,000	1.13	88,000	17,000	105,000	0.34	50,000	-	50,000	-	-	-	-	1.83	164,000	17,000	181,000	
	Total	2.34	\$ 146,000	\$ 7,000	\$ 153,000	1.88	\$ 221,000	\$ 20,000	\$ 241,000	2.42	\$ 340,000	\$ 17,000	\$ 357,000	-	\$ -	1	\$ 185,000	6.64	\$ 892,000	\$ 44,000	\$ 936,000	
	Total needs, Primary System	68.70	\$2,491,000	\$109,000	\$2,600,000	27.18	\$2,780,000	\$179,000	\$2,959,000	4.40	\$ 603,000	\$ 21,000	\$ 624,000	16	\$ 499,000	2	\$ 412,000	100.28	\$ 6,785,000	\$309,000	\$ 7,094,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	54.7	\$ 974,630	\$ 21,560	\$ 996,190	-	\$ -	\$ -	\$ -	11	\$ 274,520	-	\$ -	54.7	\$ 1,249,150	\$ 21,560	\$ 1,270,710		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	54.7	\$ 974,630	\$ 21,560	\$ 996,190	-	\$ -	\$ -	\$ -	11	\$ 274,520	-	\$ -	54.7	\$ 1,249,150	\$ 21,560	\$ 1,270,710		
Total, All needs	68.70	\$2,491,000	\$109,000	\$2,600,000	81.88	\$3,754,630	\$200,560	\$3,955,190	4.40	\$ 603,000	\$ 21,000	\$ 624,000	27	\$ 773,520	2	\$ 412,000	154.98	\$ 8,034,150	\$330,560	\$ 8,364,710		
Livingston	Primary System, rural needs:																					
	Present	47.19	\$1,424,000	\$253,000	\$1,677,000	23.43	\$2,070,000	\$306,000	\$2,376,000	26.57	\$2,173,000	\$ -	\$2,173,000	28	\$1,184,000	2	\$ 318,000	97.19	\$ 7,169,000	\$559,000	\$ 7,728,000	
	Future 1/	44.09	1,367,000	-	1,367,000	0.00	183,000	42,000	225,000	3.35	273,000	-	273,000	9	306,000	2	736,000	47.44	2,865,000	42,000	2,907,000	
	Total	91.28	\$2,791,000	\$253,000	\$3,044,000	23.43	\$2,253,000	\$348,000	\$2,601,000	29.92	\$2,446,000	\$ -	\$2,446,000	37	\$1,490,000	4	\$1,054,000	144.63	\$10,034,000	\$601,000	\$10,635,000	
	Primary System, urban needs: 2/																					
	Present	0.22	\$ 5,000	\$ 1,000	\$ 6,000	2.87	\$ 319,000	\$ 13,000	\$ 332,000	4.58	\$ 469,000	\$ -	\$ 469,000	1	\$ 20,000	3	\$ 919,000	7.67	\$ 1,732,000	\$ 14,000	\$ 1,746,000	
	Future 1/	0.90	28,000	-	28,000	-	-	-	-	0.10	8,000	-	8,000	-	-	-	-	1.00	36,000	-	36,000	
	Total	1.12	\$ 33,000	\$ 1,000	\$ 34,000	2.87	\$ 319,000	\$ 13,000	\$ 332,000	4.68	\$ 477,000	\$ -	\$ 477,000	1	\$ 20,000	3	\$ 919,000	8.67	\$ 1,768,000	\$ 14,000	\$ 1,782,000	
	Total needs, Primary System	92.40	\$2,824,000	\$254,000	\$3,078,000	26.30	\$2,572,000	\$361,000	\$2,933,000	34.60	\$2,923,000	\$ -	\$2,923,000	38	\$1,510,000	7	\$1,973,000	153.30	\$11,802,000	\$615,000	\$12,417,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	41.0	\$ 371,675	\$ -	\$ 371,675	-	\$ -	\$ -	\$ -	4	\$ 99,560	-	\$ -	41.0	\$ 471,235	\$ -	\$ 471,235		
Future 3/	-	-	-	-	50.6	363,835	-	363,835	-	-	-	-	1	10,500	-	-	50.6	374,335	-	374,335		
Total	-	\$ -	\$ -	\$ -	91.6	\$ 735,510	\$ -	\$ 735,510	-	\$ -	\$ -	\$ -	5	\$ 110,060	-	\$ -	91.6	\$ 845,570	\$ -	\$ 845,570		
Total, All needs	92.40	\$2,824,000	\$254,000	\$3,078,000	117.90	\$3,307,510	\$361,000	\$3,668,510	34.60	\$2,923,000	\$ -	\$2,923,000	43	\$1,620,060	7	\$1,973,000	244.90	\$12,647,570	\$615,000	\$13,262,570		
Logan	Primary System, rural needs:																					
	Present	2.22	\$ 98,000	\$ 14																		

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
McHenry	Primary System, rural needs:																					
	Present	12.24	\$ 566,000	\$ 27,000	\$ 593,000	28.69	\$ 3,929,000	\$ 694,000	\$ 4,623,000	-	\$ -	\$ -	\$ -	4	\$ 359,000	3	\$ 429,000	40.93	\$ 5,283,000	\$ 721,000	\$ 6,004,000	
	Future 1/	31.40	1,414,000	109,000	1,523,000	0.00	420,000	160,000	580,000	0.00	2,044,000	-	2,044,000	6	379,000	3	373,000	31.40	4,630,000	269,000	4,899,000	
	Total	43.64	\$1,980,000	\$136,000	\$2,116,000	28.69	\$ 4,349,000	\$ 854,000	\$ 5,203,000	0.00	\$2,044,000	\$ -	\$2,044,000	10	\$ 738,000	6	\$ 802,000	72.33	\$ 9,913,000	\$ 990,000	\$10,903,000	
	Primary System, urban needs: 2/																					
	Present	1.49	\$ 98,000	\$ 8,000	\$ 106,000	5.45	\$ 637,000	\$ 100,000	\$ 737,000	2.78	\$ 425,000	\$ 79,000	\$ 504,000	1	\$ 30,000	2	\$ 445,000	9.72	\$ 1,635,000	\$ 187,000	\$ 1,822,000	
	Future 1/	0.64	27,000	5,000	32,000	-	-	-	-	0.82	385,000	33,000	418,000	1	15,000	1	135,000	1.46	562,000	38,000	600,000	
Total	2.13	\$ 125,000	\$ 13,000	\$ 138,000	5.45	\$ 637,000	\$ 100,000	\$ 737,000	3.60	\$ 810,000	\$ 112,000	\$ 922,000	2	\$ 45,000	3	\$ 580,000	11.18	\$ 2,197,000	\$ 225,000	\$ 2,422,000		
Total needs, Primary System	45.77	\$2,105,000	\$149,000	\$2,254,000	34.14	\$ 4,986,000	\$ 954,000	\$ 5,940,000	3.60	\$2,854,000	\$ 112,000	\$2,966,000	12	\$ 783,000	9	\$1,382,000	83.51	\$12,110,000	\$1,215,000	\$13,325,000		
Federal-aid Secondary, rural needs:																						
Present	-	\$ -	\$ -	\$ -	38.7	\$ 526,670	\$ 18,605	\$ 545,275	-	\$ -	\$ -	\$ -	6	\$ 132,850	-	\$ -	38.7	\$ 659,520	\$ 18,605	\$ 678,125		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	38.7	\$ 526,670	\$ 18,605	\$ 545,275	-	\$ -	\$ -	\$ -	6	\$ 132,850	-	\$ -	38.7	\$ 659,520	\$ 18,605	\$ 678,125		
Total, All needs	45.77	\$2,105,000	\$149,000	\$2,254,000	72.84	\$ 5,512,670	\$ 972,605	\$ 6,485,275	3.60	\$2,854,000	\$ 112,000	\$2,966,000	18	\$ 915,850	9	\$1,382,000	122.21	\$12,769,520	\$1,233,605	\$14,003,125		
McLean	Primary System, rural needs:																					
	Present	54.08	\$2,407,000	\$230,000	\$2,637,000	60.03	\$ 7,422,000	\$1,301,000	\$ 8,723,000	4.99	\$ 545,000	\$ -	\$ 545,000	11	\$ 556,000	12	\$2,102,000	119.10	\$13,032,000	\$1,531,000	\$14,563,000	
	Future 1/	8.84	261,000	3,000	264,000	-	-	-	-	29.15	3,437,000	-	3,437,000	12	534,000	1	163,000	37.99	4,395,000	3,000	4,398,000	
	Total	62.92	\$2,668,000	\$233,000	\$2,901,000	60.03	\$ 7,422,000	\$1,301,000	\$ 8,723,000	34.14	\$3,982,000	\$ -	\$3,982,000	23	\$1,090,000	13	\$2,265,000	157.09	\$17,427,000	\$1,534,000	\$18,961,000	
	Primary System, urban needs: 2/																					
	Present	1.94	\$ 107,000	\$ 8,000	\$ 115,000	3.27	\$ 510,000	\$ 70,000	\$ 580,000	6.88	\$1,026,000	\$ 207,000	\$1,233,000	-	\$ -	5	\$1,500,000	12.09	\$ 3,143,000	\$ 285,000	\$ 3,428,000	
	Future 1/	1.23	33,000	-	33,000	-	-	-	-	1.15	161,000	-	161,000	-	-	-	-	2.38	194,000	-	194,000	
Total	3.17	\$ 140,000	\$ 8,000	\$ 148,000	3.27	\$ 510,000	\$ 70,000	\$ 580,000	8.03	\$1,187,000	\$ 207,000	\$1,394,000	-	\$ -	5	\$1,500,000	14.47	\$ 3,337,000	\$ 285,000	\$ 3,622,000		
Total needs, Primary System	66.09	\$2,808,000	\$241,000	\$3,049,000	63.30	\$ 7,932,000	\$1,371,000	\$ 9,303,000	42.17	\$5,169,000	\$ 207,000	\$5,376,000	23	\$1,090,000	18	\$3,765,000	171.56	\$20,764,000	\$1,819,000	\$22,583,000		
Federal-aid Secondary, rural needs:																						
Present	-	\$ -	\$ -	\$ -	94.6	\$ 976,110	\$ 19,050	\$ 995,160	-	\$ -	\$ -	\$ -	5	\$ 305,260	-	\$ -	94.6	\$ 1,281,370	\$ 19,050	\$ 1,300,420		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	94.6	\$ 976,110	\$ 19,050	\$ 995,160	-	\$ -	\$ -	\$ -	5	\$ 305,260	-	\$ -	94.6	\$ 1,281,370	\$ 19,050	\$ 1,300,420		
Total, All needs	66.09	\$2,808,000	\$241,000	\$3,049,000	157.90	\$ 8,908,110	\$1,390,050	\$10,298,160	42.17	\$5,169,000	\$ 207,000	\$5,376,000	28	\$1,395,260	18	\$3,765,000	266.16	\$22,045,370	\$1,838,050	\$23,883,420		
Macon	Primary System, rural needs:																					
	Present	11.27	\$ 855,000	\$ -	\$ 855,000	25.91	\$ 3,299,000	\$1,014,000	\$ 4,313,000	3.32	\$ 423,000	\$ 167,000	\$ 590,000	15	\$1,796,000	3	\$ 690,000	40.50	\$ 7,063,000	\$1,181,000	\$ 8,244,000	
	Future 1/	36.34	1,648,000	101,000	1,749,000	0.00	493,000	-	493,000	2.76	1,438,000	162,000	1,600,000	3	100,000	2	290,000	39.10	3,969,000	263,000	4,232,000	
	Total	47.61	\$2,503,000	\$101,000	\$2,604,000	25.91	\$ 3,792,000	\$1,014,000	\$ 4,806,000	6.08	\$1,861,000	\$ 329,000	\$2,190,000	18	\$1,896,000	5	\$ 980,000	79.60	\$11,032,000	\$1,444,000	\$12,476,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	6.67	\$ 1,258,000	\$ 313,000	\$ 1,571,000	4.38	\$ 786,000	\$ 51,000	\$ 837,000	-	\$ -	5	\$2,114,000	11.05	\$ 4,158,000	\$ 364,000	\$ 4,522,000	
	Future 1/	0.94	59,000	-	59,000	-	-	-	-	0.12	22,000	-	22,000	-	-	-	-	1.06	81,000	-	81,000	
Total	0.94	\$ 59,000	\$ -	\$ 59,000	6.67	\$ 1,258,000	\$ 313,000	\$ 1,571,000	4.50	\$ 808,000	\$ 51,000	\$ 859,000	-	\$ -	5	\$2,114,000	12.11	\$ 4,239,000	\$ 364,000	\$ 4,603,000		
Total needs, Primary System	48.55	\$2,562,000	\$101,000	\$2,663,000	32.58	\$ 5,050,000	\$1,327,000	\$ 6,377,000	10.58	\$2,669,000	\$ 380,000	\$3,049,000	18	\$1,896,000	10	\$3,094,000	91.71	\$15,271,000	\$1,808,000	\$17,079,000		
Federal-aid Secondary, rural needs:																						
Present	8.5	\$ 102,900	\$ -	\$ 102,900	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	4	\$ 139,930	-	\$ -	8.5	\$ 242,830	\$ -	\$ 242,830		
Future 3/	54.5	262,970	-	262,970	-	-	-	-	-	-	-	-	-	-	-	-	54.5	262,970	-	262,970		
Total	63.0	\$ 365,870	\$ -	\$ 365,870	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	4	\$ 139,930	-	\$ -	63.0	\$ 505,800	\$ -	\$ 505,800		
Total, All needs	111.55	\$2,927,870	\$101,000	\$3,028,870	32.58	\$ 5,050,000	\$1,327,000	\$ 6,377,000	10.58	\$2,669,000	\$ 380,000	\$3,049,000	22	\$2,035,930	10	\$3,094,000	154.71	\$15,776,800	\$1,808,000	\$17,584,800		
Macoupin	Primary System, rural needs:																					
	Present																					

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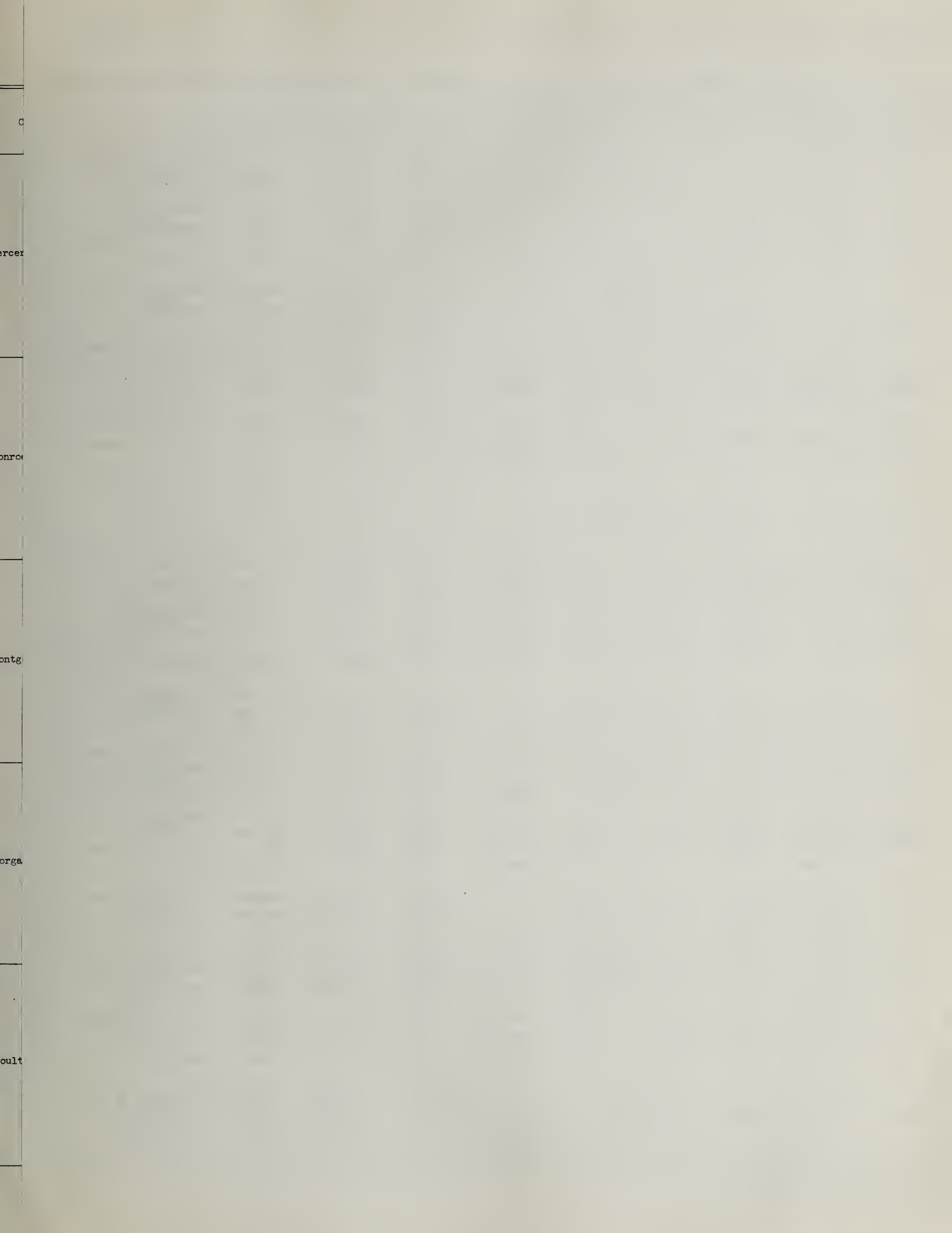
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- 1/ Deficiencies estimated to occur in the period 1952 to 1960, inclusive.
- 2/ Primary System urban needs include needs on this system in all incorporated places.
- 3/ Deficiencies estimated to occur in the period 1952 to 1955, inclusive.

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Marion	Primary System, rural needs:																					
	Present	15.73	\$ 610,000	\$ 70,000	\$ 680,000	20.49	\$3,918,000	\$ 947,000	\$4,865,000	0.73	\$ 92,000	\$ 1,000	\$ 93,000	37	\$1,396,000	9	\$1,643,000	36.95	\$ 7,659,000	\$1,018,000	\$ 8,677,000	
	Future 1/	14.20	614,000	98,000	712,000	11.32	1,094,000	162,000	1,256,000	-	-	-	-	3	230,000	-	-	25.52	1,938,000	260,000	2,198,000	
	Total	29.93	\$1,224,000	\$168,000	\$1,392,000	31.81	\$5,012,000	\$1,109,000	\$6,121,000	0.73	\$ 92,000	\$ 1,000	\$ 93,000	40	\$1,626,000	9	\$1,643,000	62.47	\$ 9,597,000	\$1,278,000	\$10,875,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	1.36	\$ 464,000	\$ 121,000	\$ 585,000	4.68	\$841,000	\$142,000	\$ 983,000	3	\$ 157,000	7	\$1,295,000	6.04	\$ 2,757,000	\$ 263,000	\$ 3,020,000	
	Future 1/	1.00	43,000	7,000	50,000	4.13	333,000	64,000	397,000	-	-	-	-	-	-	1	286,000	5.13	662,000	71,000	733,000	
	Total	1.00	\$ 43,000	\$ 7,000	\$ 50,000	5.49	\$ 797,000	\$ 185,000	\$ 982,000	4.68	\$841,000	\$142,000	\$ 983,000	3	\$ 157,000	8	\$1,581,000	11.17	\$ 3,419,000	\$ 334,000	\$ 3,753,000	
	Total needs, Primary System	30.93	\$1,267,000	\$175,000	\$1,442,000	37.30	\$5,809,000	\$1,294,000	\$7,103,000	5.41	\$933,000	\$143,000	\$1,076,000	43	\$1,783,000	17	\$3,224,000	73.64	\$13,016,000	\$1,612,000	\$14,628,000	
	Federal-aid Secondary, rural needs:																					
Present	15.9	\$ 125,280	\$ -	\$ 125,280	28.3	\$ 587,691	\$ 13,480	\$ 601,171	-	\$ -	\$ -	\$ -	2	\$ 23,400	-	\$ -	44.2	\$ 736,371	\$ 13,480	\$ 749,851		
Future 3/	5.0	60,000	-	60,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	60,000	-	60,000	
Total	20.9	\$ 185,280	\$ -	\$ 185,280	28.3	\$ 587,691	\$ 13,480	\$ 601,171	-	\$ -	\$ -	\$ -	2	\$ 23,400	-	\$ -	49.2	\$ 796,371	\$ 13,480	\$ 809,851		
Total, All needs	51.83	\$1,452,280	\$175,000	\$1,627,280	65.60	\$6,396,691	\$1,307,480	\$7,704,171	5.41	\$933,000	\$143,000	\$1,076,000	45	\$1,806,400	17	\$3,224,000	122.84	\$13,812,371	\$1,625,480	\$15,437,851		
Marshall	Primary System, rural needs:																					
	Present	24.73	\$1,096,000	\$ 84,000	\$1,180,000	14.42	\$1,576,000	\$ 121,000	\$1,697,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	39.15	\$ 2,672,000	\$ 205,000	\$ 2,877,000	
	Future 1/	20.04	633,000	7,000	640,000	-	-	-	-	-	-	-	-	3	51,000	-	-	20.04	684,000	7,000	691,000	
	Total	44.77	\$1,729,000	\$ 91,000	\$1,820,000	14.42	\$1,576,000	\$ 121,000	\$1,697,000	-	\$ -	\$ -	\$ -	3	\$ 51,000	-	\$ -	59.19	\$ 3,356,000	\$ 212,000	\$ 3,568,000	
	Primary System, urban needs: 2/																					
	Present	1.08	\$ 44,000	\$ 2,000	\$ 46,000	0.48	\$ 65,000	\$ 11,000	\$ 76,000	1.45	\$129,000	\$ -	\$ 129,000	-	\$ -	-	\$ -	3.01	\$ 238,000	\$ 13,000	\$ 251,000	
	Future 1/	2.52	80,000	1,000	81,000	-	-	-	-	-	-	-	-	-	-	-	-	2.52	80,000	1,000	81,000	
	Total	3.60	\$ 124,000	\$ 3,000	\$ 127,000	0.48	\$ 65,000	\$ 11,000	\$ 76,000	1.45	\$129,000	\$ -	\$ 129,000	-	\$ -	-	\$ -	5.53	\$ 318,000	\$ 14,000	\$ 332,000	
	Total needs, Primary System	48.37	\$1,853,000	\$ 94,000	\$1,947,000	14.90	\$1,641,000	\$ 132,000	\$1,773,000	1.45	\$129,000	\$ -	\$ 129,000	3	\$ 51,000	-	\$ -	64.72	\$ 3,674,000	\$ 226,000	\$ 3,900,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	12.5	\$ 121,850	\$ -	\$ 121,850	-	\$ -	\$ -	\$ -	1	\$ 23,650	-	\$ -	12.5	\$ 145,500	\$ -	\$ 145,500		
Future 3/	-	-	-	-	11.8	53,975	-	53,975	-	-	-	-	-	-	-	-	11.8	53,975	-	53,975		
Total	-	\$ -	\$ -	\$ -	24.3	\$ 175,825	\$ -	\$ 175,825	-	\$ -	\$ -	\$ -	1	\$ 23,650	-	\$ -	24.3	\$ 199,475	\$ -	\$ 199,475		
Total, All needs	48.37	\$1,853,000	\$ 94,000	\$1,947,000	39.20	\$1,816,825	\$ 132,000	\$1,948,825	1.45	\$129,000	\$ -	\$ 129,000	4	\$ 74,650	-	\$ -	89.02	\$ 3,873,475	\$ 226,000	\$ 4,099,475		
Mason	Primary System, rural needs:																					
	Present	21.70	\$ 882,000	\$110,000	\$ 992,000	6.45	\$ 424,000	\$ 68,000	\$ 492,000	-	\$ -	\$ -	\$ -	8	\$ 110,000	-	\$ -	28.15	\$ 1,416,000	\$ 178,000	\$ 1,594,000	
	Future 1/	1.08	34,000	-	34,000	-	-	-	-	0.84	95,000	-	95,000	-	-	-	-	1.92	129,000	-	129,000	
	Total	22.78	\$ 916,000	\$110,000	\$1,026,000	6.45	\$ 424,000	\$ 68,000	\$ 492,000	0.84	\$ 95,000	\$ -	\$ 95,000	8	\$ 110,000	-	\$ -	30.07	\$ 1,545,000	\$ 178,000	\$ 1,723,000	
	Primary System, urban needs: 2/																					
	Present	0.30	\$ 26,000	\$ -	\$ 26,000	0.33	\$ 16,000	\$ 3,000	\$ 19,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	0.63	\$ 42,000	\$ 3,000	\$ 45,000	
	Future 1/	-	-	-	-	-	-	-	-	0.23	26,000	-	26,000	-	-	-	-	0.23	26,000	-	26,000	
	Total	0.30	\$ 26,000	\$ -	\$ 26,000	0.33	\$ 16,000	\$ 3,000	\$ 19,000	0.23	\$ 26,000	\$ -	\$ 26,000	-	\$ -	-	\$ -	0.86	\$ 68,000	\$ 3,000	\$ 71,000	
	Total needs, Primary System	23.08	\$ 942,000	\$110,000	\$1,052,000	6.78	\$ 440,000	\$ 71,000	\$ 511,000	1.07	\$121,000	\$ -	\$ 121,000	8	\$ 110,000	-	\$ -	30.93	\$ 1,613,000	\$ 181,000	\$ 1,794,000	
	Federal-aid Secondary, rural needs:																					
Present	7.2	\$ 39,600	\$ -	\$ 39,600	23.8	\$ 275,630	\$ 9,480	\$ 285,110	-	\$ -	\$ -	\$ -	3	\$ 72,980	-	\$ -	31.0	\$ 388,210	\$ 9,480	\$ 397,690		
Future 3/	3.6	27,400	-	27,400	1.5	5,250	-	5,250	-	-	-	-	1	32,400	-	-	5.1	65,050	-	65,050		
Total	10.8	\$ 67,000	\$ -	\$ 67,000	25.3	\$ 280,880	\$ 9,480	\$ 290,360	-	\$ -	\$ -	\$ -	4	\$ 105,380	-	\$ -	36.1	\$ 453,260	\$ 9,480	\$ 462,740		
Total, All needs	33.88	\$1,009,000	\$110,000	\$1,119,000	32.08	\$ 720,880	\$ 80,480	\$ 801,360	1.07	\$121,000	\$ -	\$ 121,000	12	\$ 215,380	-	\$ -	67.03	\$ 2,066,260	\$ 190,480	\$ 2,256,740		
Massac	Primary System, rural needs:																					
	Present	14.05	\$ 484,000	\$ 65,000	\$ 549,000	1.50	\$ 122,000	\$ 9,000	\$ 131,000	0.04	\$ 4,000	\$ -	\$ 4,000	3	\$ 132,000	-	\$ -	15.59	\$ 742,000	\$ 74,000	\$ 816,000	
	Future 1/	0.05	2,000	1,000	3,000	-	-	-	-	0.49	43,000	-	43,000	1	19,000	-	-	0.54	64,000	1,000	65,000	
	Total	14.10	\$ 486,000	\$ 66,000	\$ 552,000	1.50	\$ 122,000	\$ 9,000	\$ 131,000	0.53	\$ 47,000	\$ -	\$ 47,000	4	\$ 151,000	-	\$ -	16.13	\$ 806,000	\$ 75,000	\$ 881,000	
	Primary System, urban needs: 2/																					
	Present	1.25	\$ 119,000	\$ 2,000	\$ 121,000	-	\$ -	\$ -	\$ -	0.61	\$101,000	\$ -	\$ 101,000	-	\$ -	-	\$ -	1.86	\$ 220,000	\$ 2,000	\$ 222,000	
	Future 1/	0.67	30,000	-	30,000	-	-	-	-	0.27	101,000	-	101,000	-	-	-	-	0.94	131,000	-	131,000	
	Total	1.92	\$ 149,000	\$ 2,000	\$ 151,000	-	\$ -	\$ -	\$ -	0.88	\$202,000	\$ -	\$ 202,000	-	\$ -	-	\$ -	2.80	\$ 351,000	\$ 2,000	\$ 353,000	
	Total needs, Primary System	16.02	\$ 635,000	\$ 68,000	\$ 703,000	1.50	\$ 122,000	\$ 9,000	\$ 131,000	1.41	\$249,000	\$ -	\$ 249,000	4	\$ 151,000	-	\$ -	18.93	\$ 1,157,000	\$ 77,000	\$ 1,234,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	28.8	\$ 349,972	\$ 14,145	\$ 364,117	-	\$ -	\$ -	\$ -	2	\$ 33,200	-	\$ -	28.8	\$ 383,172	\$ 14,145	\$ 397,317		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	28.8	\$ 349,972	\$ 14,145	\$ 364,117	-	\$ -	\$ -	\$ -	2	\$ 33,200	-	\$ -	28.8	\$ 383,172	\$ 14,145	\$ 397,317		
Total, All needs	16.02	\$ 635,000	\$ 68,000	\$ 703,000	30.30	\$ 471,972	\$ 23,145	\$ 495,117	1.41	\$249,000	\$ -	\$ 249,000	6	\$ 184,200	-	\$ -	47.73	\$ 1,540,172	\$ 91,145	\$ 1,631,317		
Menard	Primary System, rural needs:																					
	Present	7.87	\$ 336,000	\$ 34,000	\$ 370,000	6.86	\$ 467,000	\$ 33,000	\$ 500,000	-	\$ -	\$ -	\$ -	3	\$ 585,000	-	\$ -	14.73	\$ 1,388,000	\$ 67,000	\$ 1,455,000	
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	3	585,000	-	-	14.73	1,388,000	67,000	1,455,000	
	Total	7.87	\$ 336,000	\$ 34,000	\$ 370,000	6.86	\$ 467,000	\$ 33,000	\$ 500,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	-	-	-	-	
	Primary System, urban needs: 2/																					
	Present	1.39	\$ 55,000	\$ 5,000	\$ 60,000	0.79	\$ 52,000	\$ 3,000	\$ 55,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	2.18	\$ 107,000	\$ 8,000	\$ 115,000	
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	1.39	\$ 55,000	\$ 5,000	\$ 60,000	0.79	\$ 52,000	\$ 3,000	\$ 55,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	2.18	\$ 107,000	\$ 8,000	\$ 115,000	
	Total needs, Primary System	9.26	\$ 391,000	\$ 39,000	\$ 430,000	7.65	\$ 519,000	\$ 36,000	\$ 555,000	-	\$ -	\$ -	\$ -	3	\$ 585,000	-	\$ -	16.91	\$ 1,495,000	\$ 75,000	\$ 1,570,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	28.7	\$ 198,720	\$ 500	\$ 199,220	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	28.7	\$ 198,720	\$ 500	\$ 199,220		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	28.7	\$ 198,720	\$ 500	\$ 199,220	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	28.7	\$ 198,720	\$ 500	\$ 199,220		
Total, All needs	9.26	\$ 391,000	\$ 39,000	\$ 430,000	36.35	\$ 717,720	\$ 36,500	\$ 754,220	-	\$ -	\$ -	\$ -	3	\$ 585,000	-	\$ -	45.61	\$ 1,693,720	\$ 75,500	\$ 1,769,220		



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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction or Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Mercer	Primary System, rural needs:																					
	Present	22.01	\$ 668,000	\$ 31,000	\$ 699,000	5.03	\$ 446,000	\$ 29,000	\$ 475,000	-	\$ -	\$ -	\$ -	4	\$160,000	-	\$ -	27.04	\$1,274,000	\$ 60,000	\$1,334,000	
	Future 1/	14.57	433,000	1,000	434,000	-	-	-	-	-	-	-	-	4	147,000	-	-	14.57	580,000	1,000	581,000	
	Total	36.58	\$1,101,000	\$ 32,000	\$1,133,000	5.03	\$ 446,000	\$ 29,000	\$ 475,000	-	\$ -	\$ -	\$ -	8	\$307,000	-	\$ -	41.61	\$1,854,000	\$ 61,000	\$1,915,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	0.28	\$ 25,000	\$ 5,000	\$ 30,000	2.82	\$ 333,000	\$ -	\$ 333,000	-	\$ -	-	\$ -	3.10	\$ 358,000	\$ 5,000	\$ 363,000	
	Future 1/	0.13	5,000	-	5,000	-	-	-	-	-	-	-	-	-	-	-	-	0.13	5,000	-	5,000	
	Total	0.13	\$ 5,000	\$ -	\$ 5,000	0.28	\$ 25,000	\$ 5,000	\$ 30,000	2.82	\$ 333,000	\$ -	\$ 333,000	-	\$ -	-	\$ -	3.23	\$ 363,000	\$ 5,000	\$ 368,000	
	Total needs, Primary System	36.71	\$1,106,000	\$ 32,000	\$1,138,000	5.31	\$ 471,000	\$ 34,000	\$ 505,000	2.82	\$ 333,000	\$ -	\$ 333,000	8	\$307,000	-	\$ -	44.84	\$2,217,000	\$ 66,000	\$2,283,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	22.8	\$ 324,120	\$ 6,350	\$ 330,470	-	\$ -	\$ -	\$ -	6	\$128,000	-	\$ -	22.8	\$ 452,120	\$ 6,350	\$ 458,470		
Future 3/	24.0	267,650	-	267,650	14.4	130,800	350	131,150	-	-	-	-	1	31,200	-	-	38.4	429,650	350	430,000		
Total	24.0	\$ 267,650	\$ -	\$ 267,650	37.2	\$ 454,920	\$ 6,700	\$ 461,620	-	\$ -	\$ -	\$ -	7	\$159,200	-	\$ -	61.2	\$ 881,770	\$ 6,700	\$ 888,470		
Total, All needs	60.71	\$1,373,650	\$ 32,000	\$1,405,650	42.51	\$ 925,920	\$ 40,700	\$ 966,620	2.82	\$ 333,000	\$ -	\$ 333,000	15	\$466,200	-	\$ -	106.04	\$3,098,770	\$ 72,700	\$3,171,470		
Monroe	Primary System, rural needs:																					
	Present	11.87	\$ 609,000	\$109,000	\$ 718,000	5.94	\$ 585,000	\$ 30,000	\$ 615,000	-	\$ -	\$ -	\$ -	2	\$ 78,000	1	\$176,000	17.81	\$1,448,000	\$139,000	\$1,587,000	
	Future 1/	-	-	-	-	0.00	171,000	60,000	231,000	1.03	231,000	13,000	244,000	-	-	2	346,000	1.03	748,000	73,000	821,000	
	Total	11.87	\$ 609,000	\$109,000	\$ 718,000	5.94	\$ 756,000	\$ 90,000	\$ 846,000	1.03	\$ 231,000	\$ 13,000	\$ 244,000	2	\$ 78,000	3	\$522,000	18.84	\$2,196,000	\$212,000	\$2,408,000	
	Primary System, urban needs: 2/																					
	Present	1.86	\$ 69,000	\$ 2,000	\$ 71,000	-	\$ -	\$ -	\$ -	0.50	\$ 34,000	\$ -	\$ 34,000	-	\$ -	-	\$ -	2.36	\$ 103,000	\$ 2,000	\$ 105,000	
	Future 1/	-	-	-	-	0.00	117,000	42,000	159,000	-	-	-	-	-	-	-	-	0.00	117,000	42,000	159,000	
	Total	1.86	\$ 69,000	\$ 2,000	\$ 71,000	0.00	\$ 117,000	\$ 42,000	\$ 159,000	0.50	\$ 34,000	\$ -	\$ 34,000	-	\$ -	-	\$ -	2.36	\$ 220,000	\$ 44,000	\$ 264,000	
	Total needs, Primary System	13.73	\$ 678,000	\$111,000	\$ 789,000	5.94	\$ 873,000	\$132,000	\$1,005,000	1.53	\$ 265,000	\$ 13,000	\$ 278,000	2	\$ 78,000	3	\$522,000	21.20	\$2,416,000	\$256,000	\$2,672,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	25.4	\$ 481,850	\$ 37,760	\$ 519,630	-	\$ -	\$ -	\$ -	1	\$ 15,600	-	\$ -	25.4	\$ 497,450	\$ 37,780	\$ 535,230		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	25.4	\$ 481,850	\$ 37,780	\$ 519,630	-	\$ -	\$ -	\$ -	1	\$ 15,600	-	\$ -	25.4	\$ 497,450	\$ 37,780	\$ 535,230		
Total, All needs	13.73	\$ 678,000	\$111,000	\$ 789,000	31.34	\$1,354,850	\$169,780	\$1,524,630	1.53	\$ 265,000	\$ 13,000	\$ 278,000	3	\$ 93,600	3	\$522,000	46.60	\$2,913,450	\$293,780	\$3,207,230		
Montgomery	Primary System, rural needs:																					
	Present	15.07	\$ 645,000	\$ 71,000	\$ 716,000	2.83	\$ 302,000	\$ 14,000	\$ 316,000	14.53	\$1,505,000	\$ -	\$1,505,000	8	\$313,000	1	\$ 52,000	32.43	\$2,817,000	\$ 85,000	\$2,902,000	
	Future 1/	12.46	262,000	-	262,000	8.24	128,000	-	128,000	14.67	1,507,000	-	1,507,000	4	125,000	1	19,000	35.37	2,041,000	-	2,041,000	
	Total	27.53	\$ 907,000	\$ 71,000	\$ 978,000	11.07	\$ 430,000	\$ 14,000	\$ 444,000	29.20	\$3,012,000	\$ -	\$3,012,000	12	\$438,000	2	\$ 71,000	67.80	\$4,858,000	\$ 85,000	\$4,943,000	
	Primary System, urban needs: 2/																					
	Present	6.81	\$ 392,000	\$ 16,000	\$ 408,000	0.12	\$ 27,000	\$ -	\$ 27,000	0.35	\$ 27,000	\$ -	\$ 27,000	2	\$ 52,000	1	\$227,000	7.28	\$ 725,000	\$ 16,000	\$ 741,000	
	Future 1/	1.87	55,000	-	55,000	0.58	9,000	-	9,000	-	-	-	-	-	-	-	-	2.45	64,000	-	64,000	
	Total	8.68	\$ 447,000	\$ 16,000	\$ 463,000	0.70	\$ 36,000	\$ -	\$ 36,000	0.35	\$ 27,000	\$ -	\$ 27,000	2	\$ 52,000	1	\$227,000	9.73	\$ 789,000	\$ 16,000	\$ 805,000	
	Total needs, Primary System	36.21	\$1,354,000	\$ 87,000	\$1,441,000	11.77	\$ 466,000	\$ 14,000	\$ 480,000	29.55	\$3,039,000	\$ -	\$3,039,000	14	\$490,000	3	\$298,000	77.53	\$5,647,000	\$101,000	\$5,748,000	
	Federal-aid Secondary, rural needs:																					
Present	15.7	\$ 55,665	\$ -	\$ 55,665	38.4	\$ 183,732	\$ 505	\$ 184,237	-	\$ -	\$ -	\$ -	3	\$ 93,320	-	\$ -	54.1	\$ 332,717	\$ 505	\$ 333,222		
Future 3/	-	-	-	-	19.5	72,600	-	72,600	-	-	-	-	-	-	-	-	19.5	72,600	-	72,600		
Total	15.7	\$ 55,665	\$ -	\$ 55,665	57.9	\$ 256,332	\$ 505	\$ 256,837	-	\$ -	\$ -	\$ -	3	\$ 93,320	-	\$ -	73.6	\$ 405,317	\$ 505	\$ 405,822		
Total, All needs	51.91	\$1,409,665	\$ 87,000	\$1,496,665	69.67	\$ 722,332	\$ 14,505	\$ 736,837	29.55	\$3,039,000	\$ -	\$3,039,000	17	\$583,320	3	\$298,000	151.13	\$6,052,317	\$101,505	\$6,153,822		
Morgan	Primary System, rural needs:																					
	Present	3.93	\$ 194,000	\$ 59,000	\$ 253,000	3.93	\$ 544,000	\$ 80,000	\$ 624,000	1.04	\$ 188,000	\$ -	\$ 188,000	3	\$151,000	-	\$ -	8.90	\$1,077,000	\$139,000	\$1,216,000	
	Future 1/	9.24	376,000	29,000	405,000	-	-	-	-	-	-	-	-	3	151,000	2	195,000	9.24	722,000,			

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction or Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Ogle	Primary System, rural needs:																					
	Present	62.61	\$2,491,000	\$229,000	\$2,720,000	22.32	\$1,732,000	\$ 357,000	\$ 2,089,000	-	\$ -	\$ -	\$ -	11	\$ 422,000	1	\$ 173,000	84.93	\$ 4,818,000	\$ 586,000	\$ 5,404,000	
	Future 1/	6.34	120,000	-	120,000	-	-	-	-	0.20	40,000	-	40,000	-	-	-	-	6.54	160,000	-	160,000	
	Total	68.95	\$2,611,000	\$229,000	\$2,840,000	22.32	\$1,732,000	\$ 357,000	\$ 2,089,000	0.20	\$ 40,000	\$ -	\$ 40,000	11	\$ 422,000	1	\$ 173,000	91.47	\$ 4,978,000	\$ 586,000	\$ 5,564,000	
	Primary System, urban needs: 2/																					
	Present	2.88	\$ 156,000	\$ 3,000	\$ 159,000	0.04	\$ 10,000	\$ 4,000	\$ 14,000	1.41	\$ 226,000	\$ -	\$ 226,000	-	\$ -	1	\$ 624,000	4.33	\$ 1,016,000	\$ 7,000	\$ 1,023,000	
	Future 1/	0.14	5,000	-	5,000	-	-	-	-	0.05	10,000	-	10,000	-	-	-	-	0.19	15,000	-	15,000	
	Total	3.02	\$ 161,000	\$ 3,000	\$ 164,000	0.04	\$ 10,000	\$ 4,000	\$ 14,000	1.46	\$ 236,000	\$ -	\$ 236,000	-	\$ -	1	\$ 624,000	4.52	\$ 1,031,000	\$ 7,000	\$ 1,038,000	
	Total needs, Primary System	71.97	\$2,772,000	\$232,000	\$3,004,000	22.36	\$1,742,000	\$ 361,000	\$ 2,103,000	1.66	\$ 276,000	\$ -	\$ 276,000	11	\$ 422,000	2	\$ 797,000	95.99	\$ 6,009,000	\$ 593,000	\$ 6,602,000	
	Federal-aid Secondary, rural needs:																					
Present	22.8	\$ 122,850	\$ -	\$ 122,850	28.9	\$ 398,280	\$ 16,600	\$ 414,880	-	\$ -	\$ -	\$ -	7	\$ 181,300	-	\$ -	51.7	\$ 702,430	\$ 16,600	\$ 719,030		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	22.8	\$ 122,850	\$ -	\$ 122,850	28.9	\$ 398,280	\$ 16,600	\$ 414,880	-	\$ -	\$ -	\$ -	7	\$ 181,300	-	\$ -	51.7	\$ 702,430	\$ 16,600	\$ 719,030		
Total, All needs	94.77	\$2,894,850	\$232,000	\$3,126,850	51.26	\$2,140,280	\$ 377,600	\$ 2,517,880	1.66	\$ 276,000	\$ -	\$ 276,000	18	\$ 603,300	2	\$ 797,000	147.69	\$ 6,711,430	\$ 609,600	\$ 7,321,030		
Peoria	Primary System, rural needs:																					
	Present	79.17	\$3,141,000	\$138,000	\$3,279,000	30.29	\$4,207,000	\$ 862,000	\$ 5,069,000	4.97	\$ 658,000	\$ 31,000	\$ 689,000	10	\$ 615,000	6	\$1,027,000	114.43	\$ 9,648,000	\$1,031,000	\$10,679,000	
	Future 1/	14.21	483,000	-	483,000	3.14	390,000	130,000	520,000	0.92	101,000	37,000	138,000	3	256,000	1	374,000	18.27	1,604,000	167,000	1,771,000	
	Total	93.38	\$3,624,000	\$138,000	\$3,762,000	33.43	\$4,597,000	\$ 992,000	\$ 5,589,000	5.89	\$ 759,000	\$ 68,000	\$ 827,000	13	\$ 871,000	7	\$1,401,000	132.70	\$11,252,000	\$1,198,000	\$12,450,000	
	Primary System, urban needs: 2/																					
	Present	2.57	\$ 161,000	\$ 7,000	\$ 168,000	5.14	\$1,890,000	\$2,493,000	\$ 4,383,000	10.03	\$1,894,000	\$727,000	\$2,621,000	1	\$ 15,000	9	\$2,409,000	17.74	\$ 6,369,000	\$3,227,000	\$ 9,596,000	
	Future 1/	-	-	-	-	0.87	91,000	35,000	126,000	-	-	-	-	-	-	-	-	0.87	91,000	35,000	126,000	
	Total	2.57	\$ 161,000	\$ 7,000	\$ 168,000	6.01	\$1,981,000	\$2,528,000	\$ 4,509,000	10.03	\$1,894,000	\$727,000	\$2,621,000	1	\$ 15,000	9	\$2,409,000	18.61	\$ 6,460,000	\$3,262,000	\$ 9,722,000	
	Total needs, Primary System	95.95	\$3,785,000	\$145,000	\$3,930,000	39.44	\$6,578,000	\$3,520,000	\$10,098,000	15.92	\$2,653,000	\$795,000	\$3,448,000	14	\$ 886,000	16	\$3,810,000	151.31	\$17,712,000	\$4,460,000	\$22,172,000	
	Federal-aid Secondary, rural needs:																					
Present	20.0	\$ 549,730	\$ 7,500	\$ 557,230	16.5	\$ 492,300	\$ 12,300	\$ 504,600	-	\$ -	\$ -	\$ -	1	\$ 100,000	1	\$ 36,000	36.5	\$ 1,178,030	\$ 19,800	\$ 1,197,830		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	20.0	\$ 549,730	\$ 7,500	\$ 557,230	16.5	\$ 492,300	\$ 12,300	\$ 504,600	-	\$ -	\$ -	\$ -	1	\$ 100,000	1	\$ 36,000	36.5	\$ 1,178,030	\$ 19,800	\$ 1,197,830		
Total, All needs	115.95	\$4,334,730	\$152,500	\$4,487,230	55.94	\$7,070,300	\$3,532,300	\$10,602,600	15.92	\$2,653,000	\$795,000	\$3,448,000	15	\$ 986,000	17	\$3,846,000	187.81	\$18,890,030	\$4,479,800	\$23,369,830		
Perry	Primary System, rural needs:																					
	Present	22.17	\$ 908,000	\$104,000	\$1,012,000	11.63	\$1,366,000	\$ 424,000	\$ 1,790,000	-	\$ -	\$ -	\$ -	6	\$ 174,000	-	\$ -	33.80	\$ 2,448,000	\$ 528,000	\$ 2,976,000	
	Future 1/	24.27	683,000	28,000	711,000	-	-	-	-	0.20	17,000	8,000	25,000	2	41,000	1	318,000	24.47	1,059,000	36,000	1,095,000	
	Total	46.44	\$1,591,000	\$132,000	\$1,723,000	11.63	\$1,366,000	\$ 424,000	\$ 1,790,000	0.20	\$ 17,000	\$ 8,000	\$ 25,000	8	\$ 215,000	1	\$ 318,000	58.27	\$ 3,507,000	\$ 564,000	\$ 4,071,000	
	Primary System, urban needs: 2/																					
	Present	2.38	\$ 91,000	\$ 8,000	\$ 99,000	1.48	\$ 371,000	\$ 121,000	\$ 492,000	1.06	\$ 144,000	\$ 39,000	\$ 183,000	-	\$ -	2	\$ 938,000	4.92	\$ 1,544,000	\$ 168,000	\$ 1,712,000	
	Future 1/	0.44	15,000	-	15,000	-	-	-	-	1.67	214,000	10,000	224,000	-	-	-	-	2.11	229,000	10,000	239,000	
	Total	2.82	\$ 106,000	\$ 8,000	\$ 114,000	1.48	\$ 371,000	\$ 121,000	\$ 492,000	2.73	\$ 358,000	\$ 49,000	\$ 407,000	-	\$ -	2	\$ 938,000	7.03	\$ 1,773,000	\$ 178,000	\$ 1,951,000	
	Total needs, Primary System	49.26	\$1,697,000	\$140,000	\$1,837,000	13.11	\$1,737,000	\$ 545,000	\$ 2,282,000	2.93	\$ 375,000	\$ 57,000	\$ 432,000	8	\$ 215,000	3	\$1,256,000	65.30	\$ 5,280,000	\$ 742,000	\$ 6,022,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	26.7	\$ 263,380	\$ 2,650	\$ 266,030	-	\$ -	\$ -	\$ -	2	\$ 40,300	-	\$ -	26.7	\$ 303,680	\$ 2,650	\$ 306,330		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	\$ -	\$ -	\$ -	26.7	\$ 263,380	\$ 2,650	\$ 266,030	-	\$ -	\$ -	\$ -	2	\$ 40,300	-	\$ -	26.7	\$ 303,680	\$ 2,650	\$ 306,330		
Total, All needs	49.26	\$1,697,000	\$140,000	\$1,837,000	39.81	\$2,000,380	\$ 547,650	\$ 2,548,030	2.93	\$ 375,000	\$ 57,000	\$ 432,000	10	\$ 255,300	3	\$1,256,000	92.00	\$ 5,583,680	\$ 744,650	\$ 6,328,330		
Piatt	Primary System, rural needs:																					
	Present	-	\$ -	\$ -	\$ -	26.16	\$2,080,000	\$ 233,000	\$ 2,313,000	-	\$ -	\$ -	\$ -	6	\$ 155,000	1	\$ 193,000	26.16	\$ 2,428,000	\$ 233,000	\$ 2,661,000	
	Future 1/	23.00	720,000	84,000	804,000	-	-	-	-	-	-	-	-	2	44,000	-	-	23.00	764,000	84,000	848,000	
	Total	23.00	\$ 720,000	\$ 84,000	\$ 804,000	26.16	\$2,080,000	\$ 233,000	\$ 2,313,000	-	\$ -	\$ -	\$ -	8	\$ 199,000	1	\$ 193,000	49.16	\$ 3,192,000	\$ 317,000	\$ 3,509,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	1.91	\$ 257,000	\$ 16,000	\$ 273,000	-	\$ -	\$ -	\$ -	-	\$ -	1	\$ 183,000	1.91	\$ 440,000	\$ 16,000	\$ 456,000	
	Future 1/	-	-	-	-	1.41	265,000	-	265,000	-	-	-	-	-	-	-	-	1.41	265,000	-	265,000	
	Total	-	\$ -	\$ -	\$ -	3.32	\$ 522,000	\$ 16,000	\$ 538,000	-	\$ -	\$ -	\$ -	-	\$ -	1	\$ 183,000	3.32	\$ 705,000	\$ 16,000	\$ 721,000	
	Total needs, Primary System	23.00	\$ 720,000	\$ 84,000	\$ 804,000	29.48	\$2,602,000	\$ 249,000	\$ 2,851,000	-	\$ -	\$ -	\$ -	8	\$ 199,000	2	\$ 376,000	52.48	\$ 3,897,000	\$ 333,000	\$ 4,230,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	36.9	\$ 467,170	\$ 11,800	\$ 478,970	-	\$ -	\$ -	\$ -	5	\$ 280,500	-	\$ -	36.9	\$ 747,670	\$ 11,800	\$ 759,470		
Future 3/	3.5	14,000	-	14,000	1.8	27,270	-	27,270	-	-	-	-	-	-	-	-	5.3	41,270	-	41,270		
Total	3.5	\$ 14,000	\$ -	\$ 14,000	38.7	\$ 494,440	\$ 11,800	\$ 506,240	-	\$ -	\$ -	\$ -	5	\$ 280,500	-	\$ -	42.2	\$ 788,940	\$ 11,800	\$ 800,740		
Total, All needs	26.50	\$ 734,000	\$ 84,000	\$ 818,000	68.18	\$3,096,440	\$ 260,800	\$ 3,357,240	-	\$ -	\$ -	\$ -	13	\$ 479,500	2	\$ 376,000	94.68	\$ 4,685,940	\$ 344,800	\$ 5,030,740		
Pike	Primary System, rural needs:																					
	Present	9.22	\$ 377,000	\$ 52,000	\$ 429,000	40.38	\$1,523,000	\$ 123,000	\$ 1,646,000	-	\$ -	\$ -	\$ -	15	\$ 527,000	1	\$ 122,000	49.60	\$ 2,549,000	\$ 175,000	\$ 2,724,000	
	Future 1/	8.37	245,000	-	245,000	-	-	-	-	-	-	-	-	3	91,000	-	-	8.37	336,000	-	336,000	
	Total	17.59	\$ 622,000	\$ 52,000	\$ 674,000	40.38	\$1,523,000	\$ 123,000	\$ 1,646,000	-	\$ -	\$ -	\$ -	18	\$ 618,000	1	\$ 122,000	57.97	\$ 2,885,000	\$ 175,000	\$ 3,060,000	
	Primary System, urban needs: 2/																					
	Present	1.32	\$ 79,000	\$ 4,000	\$ 83,000	4.94	\$ 277,000	\$ 42,000	\$ 319,000	-	\$ -	\$ -	\$ -	1	\$ 12,000	-	\$ -	6.26	\$ 368,000	\$ 46,000	\$ 414,000	
	Future 1/	1.80	61,000	-	61,000	-	-	-	-	-	-	-	-	-	-	-	-	1.80	61,000	-	61,000	
	Total	3.12	\$ 140,000	\$ 4,000	\$ 144,000	4.94	\$ 277,000	\$ 42,000	\$ 319,000	-	\$ -	\$ -	\$ -	1	\$ 12,000	-	\$ -	8.06	\$ 429,000	\$ 46,000	\$ 475,000	
	Total needs, Primary System	20.71	\$ 762,000	\$ 56,000	\$ 818,000	45.32	\$1,800,000	\$ 165,000	\$ 1,965,000	-	\$ -	\$ -	\$ -	19	\$ 630,000	1	\$ 122,000	66.03	\$ 3,314,000	\$ 221,000	\$ 3,535,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	27.7	\$ 329,581	\$ 22,990	\$ 352,571	-	\$ -	\$ -	\$ -	10	\$ 408,340	-	\$ -	27.7	\$ 737,921	\$ 22,990	\$		

1/ Deficiencies estimated to occur in the period 1952 to 1960, inclusive.

2/ Primary System urban needs include needs on this system in all incorporated places.

3/ Deficiencies estimated to occur in the period 1952 to 1955, inclusive.

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Pope

Pulas

Putna

Rando

Richl



(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Pope	Primary System, rural needs:																					
	Present	6.74	\$ 281,000	\$ 30,000	\$ 311,000	25.26	\$ 992,000	\$ 41,000	\$1,033,000	-	\$ -	\$ -	\$ -	1	\$ 38,000	-	\$ -	32.00	\$1,311,000	\$ 71,000	\$1,382,000	
	Future 1/	11.63	306,000	19,000	325,000	-	-	-	-	-	-	-	-	5	331,000	-	-	11.63	637,000	19,000	656,000	
	Total	18.37	\$ 587,000	\$ 49,000	\$ 636,000	25.26	\$ 992,000	\$ 41,000	\$1,033,000	-	\$ -	\$ -	\$ -	6	\$369,000	-	\$ -	43.63	\$1,948,000	\$ 90,000	\$2,038,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	0.56	\$ 13,000	\$ -	\$ 13,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	0.56	\$ 13,000	\$ -	\$ 13,000	
	Future 1/	0.55	18,000	-	18,000	-	-	-	-	-	-	-	-	-	-	-	-	0.55	18,000	-	18,000	
	Total	0.55	\$ 18,000	\$ -	\$ 18,000	0.56	\$ 13,000	\$ -	\$ 13,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	1.11	\$ 31,000	\$ -	\$ 31,000	
	Total needs, Primary System	18.92	\$ 605,000	\$ 49,000	\$ 654,000	25.82	\$1,005,000	\$ 41,000	\$1,046,000	-	\$ -	\$ -	\$ -	6	\$369,000	-	\$ -	44.74	\$1,979,000	\$ 90,000	\$2,069,000	
	Federal-aid Secondary, rural needs:																					
Present	3.0	\$ 18,000	\$ -	\$ 18,000	1.0	\$ 2,700	\$ -	\$ 2,700	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	4.0	\$ 20,700	\$ -	\$ 20,700		
Future 3/	-	-	-	-	3.0	8,100	-	8,100	-	-	-	-	-	-	-	-	3.0	8,100	-	8,100		
Total	3.0	\$ 18,000	\$ -	\$ 18,000	4.0	\$ 10,800	\$ -	\$ 10,800	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	7.0	\$ 28,800	\$ -	\$ 28,800		
Total, All needs	21.92	\$ 623,000	\$ 49,000	\$ 672,000	29.82	\$1,015,800	\$ 41,000	\$1,056,800	-	\$ -	\$ -	\$ -	6	\$369,000	-	\$ -	51.74	\$2,007,800	\$ 90,000	\$2,097,800		
Pulaski	Primary System, rural needs:																					
	Present	10.53	\$ 466,000	\$ 50,000	\$ 516,000	11.30	\$1,559,000	\$273,000	\$1,832,000	-	\$ -	\$ -	\$ -	6	\$178,000	-	\$ -	21.83	\$2,203,000	\$323,000	\$2,526,000	
	Future 1/	6.33	154,000	-	154,000	2.10	155,000	-	155,000	0.00	17,000	-	17,000	2	67,000	-	-	8.43	393,000	-	393,000	
	Total	16.86	\$ 620,000	\$ 50,000	\$ 670,000	13.40	\$1,714,000	\$273,000	\$1,987,000	0.00	\$ 17,000	\$ -	\$ 17,000	8	\$245,000	-	\$ -	30.26	\$2,596,000	\$323,000	\$2,919,000	
	Primary System, urban needs: 2/																					
	Present	1.03	\$ 40,000	\$ 13,000	\$ 53,000	1.43	\$ 134,000	\$ 27,000	\$ 161,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	2.46	\$ 174,000	\$ 40,000	\$ 214,000	
	Future 1/	4.62	149,000	1,000	150,000	-	-	-	-	-	-	-	-	-	-	-	-	4.62	149,000	1,000	150,000	
	Total	5.65	\$ 189,000	\$ 14,000	\$ 203,000	1.43	\$ 134,000	\$ 27,000	\$ 161,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	7.08	\$ 323,000	\$ 41,000	\$ 364,000	
	Total needs, Primary System	22.51	\$ 809,000	\$ 64,000	\$ 873,000	14.83	\$1,848,000	\$300,000	\$2,148,000	0.00	\$ 17,000	\$ -	\$ 17,000	8	\$245,000	-	\$ -	37.34	\$2,919,000	\$364,000	\$3,283,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	19.9	\$ 162,000	\$ 5,080	\$ 167,080	-	\$ -	\$ -	\$ -	1	\$ 13,000	-	\$ -	19.9	\$ 175,000	\$ 5,080	\$ 180,080		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	1	\$ 13,000	-	\$ -	-	\$ 175,000	\$ 5,080	\$ 180,080		
Total	-	\$ -	\$ -	\$ -	19.9	\$ 162,000	\$ 5,080	\$ 167,080	-	\$ -	\$ -	\$ -	1	\$ 13,000	-	\$ -	19.9	\$ 175,000	\$ 5,080	\$ 180,080		
Total, All needs	22.51	\$ 809,000	\$ 64,000	\$ 873,000	34.73	\$2,010,000	\$305,080	\$2,315,080	0.00	\$ 17,000	\$ -	\$ 17,000	9	\$258,000	-	\$ -	57.24	\$3,094,000	\$369,080	\$3,463,080		
Putnam	Primary System, rural needs:																					
	Present	5.32	\$ 137,000	\$ -	\$ 137,000	5.23	\$ 469,000	\$ 14,000	\$ 483,000	-	\$ -	\$ -	\$ -	3	\$ 83,000	-	\$ -	10.55	\$ 689,000	\$ 14,000	\$ 703,000	
	Future 1/	12.34	442,000	-	442,000	-	-	-	-	-	-	-	-	2	67,000	-	-	12.34	509,000	-	509,000	
	Total	17.66	\$ 579,000	\$ -	\$ 579,000	5.23	\$ 469,000	\$ 14,000	\$ 483,000	-	\$ -	\$ -	\$ -	5	\$150,000	-	\$ -	22.89	\$1,198,000	\$ 14,000	\$1,212,000	
	Primary System, urban needs: 2/																					
	Present	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	0.49	\$ 45,000	\$ -	\$ 45,000	-	\$ -	-	\$ -	0.49	\$ 45,000	\$ -	\$ 45,000	
	Future 1/	0.27	10,000	-	10,000	-	-	-	-	-	-	-	-	-	-	-	-	0.27	10,000	-	10,000	
	Total	0.27	\$ 10,000	\$ -	\$ 10,000	-	\$ -	\$ -	\$ -	0.49	\$ 45,000	\$ -	\$ 45,000	-	\$ -	-	\$ -	0.76	\$ 55,000	\$ -	\$ 55,000	
	Total needs, Primary System	17.93	\$ 589,000	\$ -	\$ 589,000	5.23	\$ 469,000	\$ 14,000	\$ 483,000	0.49	\$ 45,000	\$ -	\$ 45,000	5	\$150,000	-	\$ -	23.65	\$1,253,000	\$ 14,000	\$1,267,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	8.5	\$ 82,095	\$ -	\$ 82,095	-	\$ -	\$ -	\$ -	1	\$ 15,050	-	\$ -	8.5	\$ 97,145	\$ -	\$ 97,145		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	1	\$ 15,050	-	\$ -	8.5	\$ 97,145	\$ -	\$ 97,145		
Total	-	\$ -	\$ -	\$ -	8.5	\$ 82,095	\$ -	\$ 82,095	-	\$ -	\$ -	\$ -	1	\$ 15,050	-	\$ -	8.5	\$ 97,145	\$ -	\$ 97,145		
Total, All needs	17.93	\$ 589,000	\$ -	\$ 589,000	13.73	\$ 551,095	\$ 14,000	\$ 565,095	0.49	\$ 45,000	\$ -	\$ 45,000	6	\$165,050	-	\$ -	32.15	\$1,350,145	\$ 14,000	\$1,364,145		
Randolph	Primary System, rural needs:																					
	Present	31.80	\$1,504,000	\$156,000	\$1,660,000	13.76	\$1,454,000	\$163,000	\$1,617,000	-	\$ -	\$ -	\$ -	6	\$400,000	-	\$ -	45.56	\$3,358,000	\$319,000	\$3,677,000	
	Future 1/	7.26	250,000	11,000	261,000	-	-	-	-	-	-	-	-	4	267,000	-	-	7.26	517,000	11,000	528,000	
	Total	39.06	\$1,754,000	\$167,000	\$1,921,000	13.76	\$1,454,000	\$163,000	\$1,617,000	-	\$ -	\$ -	\$ -	10	\$667,000	-	\$ -	52.82	\$3,875,000	\$330,000	\$4,205,000	
	Primary System, urban needs: 2/																					
	Present	2.69	\$ 242,000	\$ 17,000	\$ 259,000	1.15	\$ 119,000	\$ 21,000	\$ 140,000	-	\$ -	\$ -	\$ -	1	\$ 19,000	-	\$ -	3.84	\$ 380,000	\$ 38,000	\$ 418,000	
	Future 1/	3.56	133,000	-	133,000	-	-	-	-	0.00	45,000	-	45,000	-	-	-	-	3.56	178,000	-	178,000	
	Total	6.25	\$ 375,000	\$ 17,000	\$ 392,000	1.15	\$ 119,000	\$ 21,000	\$ 140,000	0.00	\$ 45,000	\$ -										

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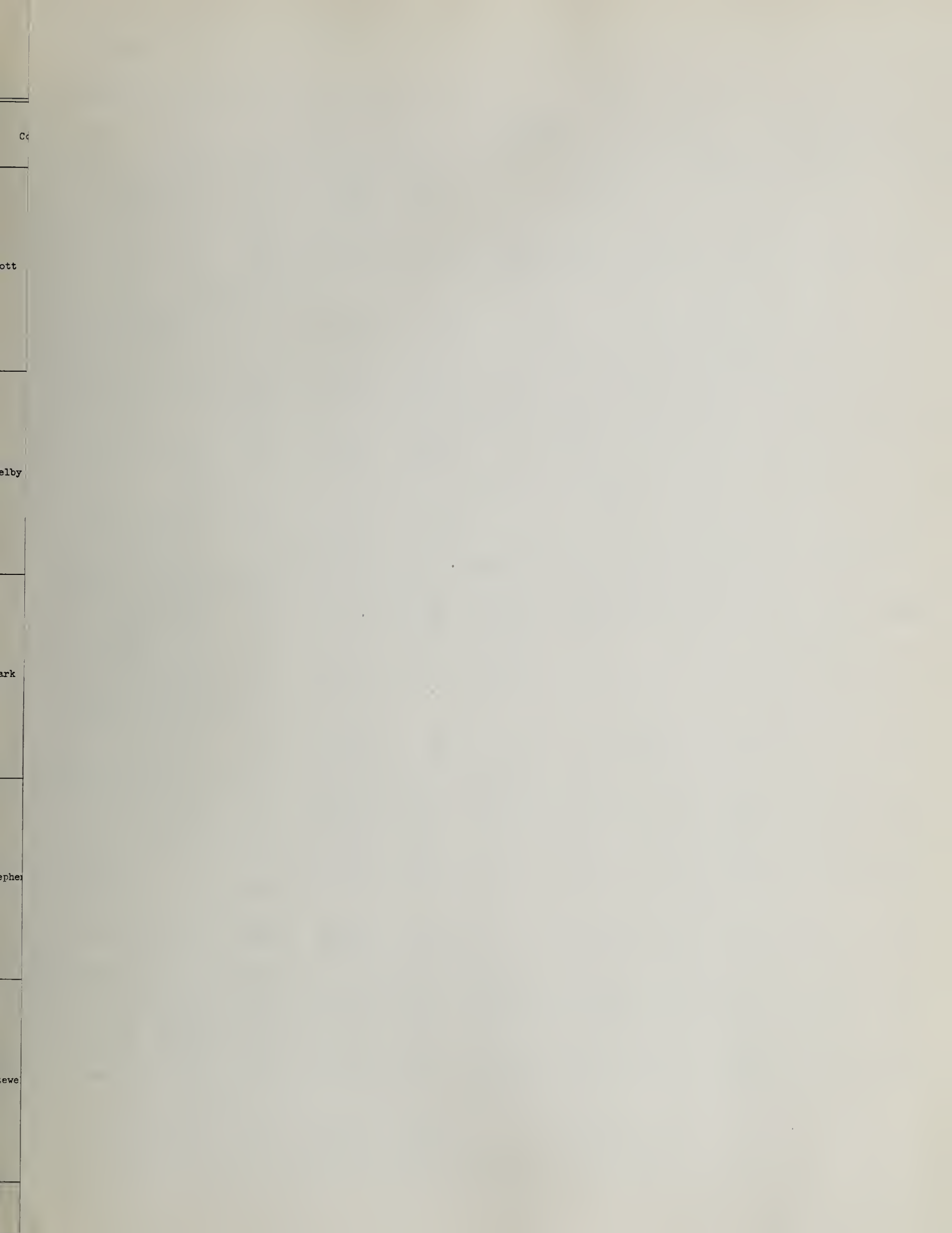
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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Rock Island	Primary System, rural needs:																					
	Present	9.06	\$ 396,000	\$ 42,000	\$ 438,000	19.07	\$ 3,908,000	\$1,772,000	\$ 5,680,000	4.50	\$ 721,000	\$120,000	\$ 841,000	6	\$ 1,024,000	4	\$ 1,064,000	32.63	\$ 7,113,000	\$1,934,000	\$ 9,047,000	
	Future 1/	13.04	348,000	80,000	428,000	2.02	363,000	71,000	434,000	0.00	1,108,000	-	1,108,000	6	164,000	-	-	15.06	1,983,000	151,000	2,134,000	
	Total	22.10	\$ 744,000	\$122,000	\$ 866,000	21.09	\$ 4,271,000	\$1,843,000	\$ 6,114,000	4.50	\$1,829,000	\$120,000	\$1,949,000	12	\$ 1,188,000	4	\$ 1,064,000	47.69	\$ 9,096,000	\$2,085,000	\$11,181,000	
	Primary System, urban needs: 2/																					
	Present	3.43	\$ 140,000	\$ 4,000	\$ 144,000	1.91	\$ 1,966,000	\$1,158,000	\$ 3,124,000	11.69	\$1,718,000	\$353,000	\$2,071,000	1	\$ 40,000	10	\$ 3,843,000	17.03	\$ 7,707,000	\$1,515,000	\$ 9,222,000	
	Future 1/	0.42	9,000	-	9,000	-	-	-	-	0.00	24,000	-	24,000	-	-	-	-	0.42	33,000	-	33,000	
	Total	3.85	\$ 149,000	\$ 4,000	\$ 153,000	1.91	\$ 1,966,000	\$1,158,000	\$ 3,124,000	11.69	\$1,742,000	\$353,000	\$2,095,000	1	\$ 40,000	10	\$ 3,843,000	17.45	\$ 7,740,000	\$1,515,000	\$ 9,255,000	
	Total needs, Primary System	25.95	\$ 893,000	\$126,000	\$1,019,000	23.00	\$ 6,237,000	\$3,001,000	\$ 9,238,000	16.19	\$3,571,000	\$473,000	\$4,044,000	13	\$ 1,228,000	14	\$ 4,907,000	65.14	\$16,836,000	\$3,600,000	\$20,436,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	20.2	\$ 486,700	\$ 26,250	\$ 512,950	-	\$ -	\$ -	\$ -	2	\$ 342,240	-	\$ -	20.2	\$ 828,940	\$ 26,250	\$ 855,190		
Future 3/	5.2	62,500	-	62,500	7.4	186,840	7,915	194,755	-	-	-	-	-	-	-	-	12.6	249,340	7,915	257,255		
Total	5.2	\$ 62,500	\$ -	\$ 62,500	27.6	\$ 673,540	\$ 34,165	\$ 707,705	-	\$ -	\$ -	\$ -	2	\$ 342,240	-	\$ -	32.8	\$ 1,078,280	\$ 34,165	\$ 1,112,445		
Total, All needs	31.15	\$ 955,500	\$126,000	\$1,081,500	50.60	\$ 6,910,540	\$3,035,165	\$ 9,945,705	16.19	\$3,571,000	\$473,000	\$4,044,000	15	\$ 1,570,240	14	\$ 4,907,000	97.94	\$17,914,280	\$3,634,165	\$21,548,445		
St. Clair	Primary System, rural needs:																					
	Present	49.18	\$2,029,000	\$279,000	\$2,308,000	33.02	\$ 8,934,000	\$2,060,000	\$10,994,000	10.42	\$1,335,000	\$298,000	\$1,633,000	42	\$19,458,000	27	\$ 6,954,000	92.62	\$38,710,000	\$2,637,000	\$41,347,000	
	Future 1/	44.62	1,570,000	117,000	1,687,000	0.08	474,000	3,000	477,000	0.43	225,000	-	225,000	4	104,000	1	51,000	45.13	2,424,000	120,000	2,544,000	
	Total	93.80	\$3,599,000	\$396,000	\$3,995,000	33.10	\$ 9,408,000	\$2,063,000	\$11,471,000	10.85	\$1,560,000	\$298,000	\$1,858,000	46	\$19,562,000	28	\$ 7,005,000	137.75	\$41,134,000	\$2,757,000	\$43,891,000	
	Primary System, urban needs: 2/																					
	Present	15.12	\$1,249,000	\$ -	\$1,249,000	7.23	\$ 2,452,000	\$ 785,000	\$ 3,237,000	6.20	\$ 903,000	\$ 27,000	\$ 930,000	2	\$ 109,000	17	\$15,208,000	28.55	\$19,921,000	\$ 812,000	\$20,733,000	
	Future 1/	14.09	751,000	11,000	762,000	1.31	298,000	-	298,000	0.60	80,000	-	80,000	-	-	-	-	16.00	1,129,000	11,000	1,140,000	
	Total	29.21	\$2,000,000	\$ 11,000	\$2,011,000	8.54	\$ 2,750,000	\$ 785,000	\$ 3,535,000	6.80	\$ 983,000	\$ 27,000	\$1,010,000	2	\$ 109,000	17	\$15,208,000	44.55	\$21,050,000	\$ 823,000	\$21,873,000	
	Total needs, Primary System	123.01	\$5,599,000	\$407,000	\$6,006,000	41.64	\$12,158,000	\$2,848,000	\$15,006,000	17.65	\$2,543,000	\$325,000	\$2,868,000	48	\$19,671,000	45	\$22,213,000	182.30	\$62,184,000	\$3,580,000	\$65,764,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	54.1	\$ 795,170	\$ 14,840	\$ 810,010	-	\$ -	\$ -	\$ -	3	\$ 115,920	-	\$ -	54.1	\$ 911,090	\$ 14,840	\$ 925,930		
Future 3/	-	-	-	-	16.6	113,800	-	113,800	-	-	-	-	-	-	-	-	16.6	113,800	-	113,800		
Total	-	\$ -	\$ -	\$ -	70.7	\$ 908,970	\$ 14,840	\$ 923,810	-	\$ -	\$ -	\$ -	3	\$ 115,920	-	\$ -	70.7	\$ 1,024,890	\$ 14,840	\$ 1,039,730		
Total, All needs	123.01	\$5,599,000	\$407,000	\$6,006,000	112.34	\$13,066,970	\$2,862,840	\$15,929,810	17.65	\$2,543,000	\$325,000	\$2,868,000	51	\$19,786,920	45	\$22,213,000	253.00	\$63,208,890	\$3,594,840	\$66,803,730		
Saline	Primary System, rural needs:																					
	Present	34.42	\$1,180,000	\$ 92,000	\$1,272,000	11.42	\$ 744,000	\$ 74,000	\$ 818,000	0.33	\$ 35,000	\$ 13,000	\$ 48,000	19	\$ 921,000	-	\$ -	46.17	\$ 2,880,000	\$ 179,000	\$ 3,059,000	
	Future 1/	40.96	1,270,000	12,000	1,282,000	0.32	21,000	4,000	25,000	0.00	11,000	-	11,000	10	342,000	-	-	41.28	1,644,000	16,000	1,660,000	
	Total	75.38	\$2,450,000	\$104,000	\$2,554,000	11.74	\$ 765,000	\$ 78,000	\$ 843,000	0.33	\$ 46,000	\$ 13,000	\$ 59,000	29	\$ 1,263,000	-	\$ -	87.45	\$ 4,524,000	\$ 195,000	\$ 4,719,000	
	Primary System, urban needs: 2/																					
	Present	5.31	\$ 182,000	\$ 12,000	\$ 194,000	-	\$ -	\$ -	\$ -	1.20	\$ 180,000	\$ -	\$ 180,000	-	\$ -	-	\$ -	6.51	\$ 362,000	\$ 12,000	\$ 374,000	
	Future 1/	1.86	63,000	-	63,000	0.59	39,000	7,000	46,000	0.00	61,000	-	61,000	1	19,000	-	-	2.45	182,000	7,000	189,000	
	Total	7.17	\$ 245,000	\$ 12,000	\$ 257,000	0.59	\$ 39,000	\$ 7,000	\$ 46,000	1.20	\$ 241,000	\$ -	\$ 241,000	1	\$ 19,000	-	\$ -	8.96	\$ 544,000	\$ 19,000	\$ 563,000	
	Total needs, Primary System	82.55	\$2,695,000	\$116,000	\$2,811,000	12.33	\$ 804,000	\$ 85,000	\$ 889,000	1.53	\$ 287,000	\$ 13,000	\$ 300,000	30	\$ 1,282,000	-	\$ -	96.41	\$ 5,068,000	\$ 214,000	\$ 5,282,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	33.2	\$ 273,019	\$ 1,650	\$ 274,669	-	\$ -	\$ -	\$ -	7	\$ 191,300	-	\$ -	33.2	\$ 464,319	\$ 1,650	\$ 465,969		
Future 3/	-	-	-	-	8.2	35,450	-	35,450	-	-	-	-	-	-	-	-	8.2	35,450	-	35,450		
Total	-	\$ -	\$ -	\$ -	41.4	\$ 308,469	\$ 1,650	\$ 310,119	-	\$ -	\$ -	\$ -	7	\$ 191,300	-	\$ -	41.4	\$ 499,769	\$ 1,650	\$ 501,419		
Total, All needs	82.55	\$2,695,000	\$116,000	\$2,811,000	53.73	\$ 1,112,469	\$ 86,650	\$ 1,199,119	1.53	\$ 287,000	\$ 13,000	\$ 300,000	37	\$ 1,473,300	-	\$ -	137.81	\$ 5,567,				



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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Scott	Primary System, rural needs:																					
	Present	6.31	\$ 246,000	\$ 40,000	\$ 286,000	4.81	\$ 401,000	\$ 34,000	\$ 435,000	-	\$ -	\$ -	\$ -	6	\$ 171,000	-	\$ -	11.12	\$ 818,000	\$ 74,000	\$ 892,000	
	Future 1/	7.49	90,000	-	90,000	-	-	-	-	-	-	-	-	-	-	-	-	7.49	90,000	-	90,000	
	Total	13.80	\$ 336,000	\$ 40,000	\$ 376,000	4.81	\$ 401,000	\$ 34,000	\$ 435,000	-	\$ -	\$ -	\$ -	6	\$ 171,000	-	\$ -	18.61	\$ 908,000	\$ 74,000	\$ 982,000	
	Primary System, urban needs: 2/																					
	Present	1.12	\$ 42,000	\$ 6,000	\$ 48,000	0.85	\$ 68,000	\$ 4,000	\$ 72,000	0.61	\$ 65,000	\$ -	\$ 65,000	-	\$ -	1	\$ 175,000	2.58	\$ 350,000	\$ 10,000	\$ 360,000	
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	1.12	\$ 42,000	\$ 6,000	\$ 48,000	0.85	\$ 68,000	\$ 4,000	\$ 72,000	0.61	\$ 65,000	\$ -	\$ 65,000	-	\$ -	1	\$ 175,000	2.58	\$ 350,000	\$ 10,000	\$ 360,000	
Total needs, Primary System	14.92	\$ 378,000	\$ 46,000	\$ 424,000	5.66	\$ 469,000	\$ 38,000	\$ 507,000	0.61	\$ 65,000	\$ -	\$ 65,000	6	\$ 171,000	1	\$ 175,000	21.19	\$ 1,258,000	\$ 84,000	\$ 1,342,000		
Federal-aid Secondary, rural needs:																						
Present	-	\$ -	\$ -	\$ -	16.1	\$ 32,285	\$ -	\$ 32,285	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	16.1	\$ 32,285	\$ -	\$ 32,285		
Future 3/	-	-	-	-	5.2	10,282	-	10,282	-	-	-	-	-	-	-	-	5.2	10,282	-	10,282		
Total	-	\$ -	\$ -	\$ -	21.3	\$ 42,567	\$ -	\$ 42,567	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	21.3	\$ 42,567	\$ -	\$ 42,567		
Total, All needs	14.92	\$ 378,000	\$ 46,000	\$ 424,000	26.96	\$ 511,567	\$ 38,000	\$ 549,567	0.61	\$ 65,000	\$ -	\$ 65,000	6	\$ 171,000	1	\$ 175,000	42.49	\$ 1,300,567	\$ 84,000	\$ 1,384,567		
Shelby	Primary System, rural needs:																					
	Present	14.44	\$ 593,000	\$240,000	\$ 833,000	21.26	\$1,849,000	\$ 340,000	\$2,189,000	-	\$ -	\$ -	\$ -	11	\$ 418,000	1	\$ 200,000	35.70	\$ 3,060,000	\$ 580,000	\$ 3,640,000	
	Future 1/	18.44	732,000	65,000	797,000	-	-	-	-	-	-	-	-	1	34,000	-	-	18.44	766,000	65,000	831,000	
	Total	32.88	\$1,325,000	\$305,000	\$1,630,000	21.26	\$1,849,000	\$ 340,000	\$2,189,000	-	\$ -	\$ -	\$ -	12	\$ 452,000	1	\$ 200,000	54.14	\$ 3,826,000	\$ 645,000	\$ 4,471,000	
	Primary System, urban needs: 2/																					
	Present	0.17	\$ 9,000	\$ -	\$ 9,000	4.91	\$ 801,000	\$ 48,000	\$ 849,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	5.08	\$ 810,000	\$ 48,000	\$ 858,000	
	Future 1/	0.57	18,000	-	18,000	-	-	-	-	-	-	-	-	-	-	-	-	0.57	18,000	-	18,000	
	Total	0.74	\$ 27,000	\$ -	\$ 27,000	4.91	\$ 801,000	\$ 48,000	\$ 849,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	5.65	\$ 828,000	\$ 48,000	\$ 876,000	
Total needs, Primary System	33.62	\$1,352,000	\$305,000	\$1,657,000	26.17	\$2,650,000	\$ 388,000	\$3,038,000	-	\$ -	\$ -	\$ -	12	\$ 452,000	1	\$ 200,000	59.79	\$ 4,654,000	\$ 693,000	\$ 5,347,000		
Federal-aid Secondary, rural needs:																						
Present	3.0	\$ 1,500	\$ -	\$ 1,500	37.7	\$ 374,579	\$ 1,265	\$ 375,844	-	\$ -	\$ -	\$ -	6	\$ 83,600	-	\$ -	40.7	\$ 459,679	\$ 1,265	\$ 460,944		
Future 3/	-	-	-	-	25.4	120,208	-	120,208	-	-	-	-	-	-	-	-	25.4	120,208	-	120,208		
Total	3.0	\$ 1,500	\$ -	\$ 1,500	63.1	\$ 494,787	\$ 1,265	\$ 496,052	-	\$ -	\$ -	\$ -	6	\$ 83,600	-	\$ -	66.1	\$ 579,887	\$ 1,265	\$ 581,152		
Total, All needs	36.62	\$1,353,500	\$305,000	\$1,658,500	89.27	\$3,144,787	\$ 389,265	\$3,534,052	-	\$ -	\$ -	\$ -	18	\$ 535,600	1	\$ 200,000	125.89	\$ 5,233,887	\$ 694,265	\$ 5,928,152		
Stark	Primary System, rural needs:																					
	Present	19.04	\$ 761,000	\$ 9,000	\$ 770,000	5.88	\$ 396,000	\$ 32,000	\$ 428,000	-	\$ -	\$ -	\$ -	7	\$ 243,000	-	\$ -	24.92	\$ 1,400,000	\$ 41,000	\$ 1,441,000	
	Future 1/	9.08	301,000	-	301,000	0.00	147,000	26,000	173,000	-	-	-	-	-	-	1	169,000	9.08	617,000	26,000	643,000	
	Total	28.12	\$1,062,000	\$ 9,000	\$1,071,000	5.88	\$ 543,000	\$ 58,000	\$ 601,000	-	\$ -	\$ -	\$ -	7	\$ 243,000	1	\$ 169,000	34.00	\$ 2,017,000	\$ 67,000	\$ 2,084,000	
	Primary System, urban needs: 2/																					
	Present	0.81	\$ 31,000	\$ 1,000	\$ 32,000	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	1	\$ 136,000	0.81	\$ 167,000	\$ 1,000	\$ 168,000	
	Future 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	0.81	\$ 31,000	\$ 1,000	\$ 32,000	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	1	\$ 136,000	0.81	\$ 167,000	\$ 1,000	\$ 168,000	
Total needs, Primary System	28.93	\$1,093,000	\$ 10,000	\$1,103,000	5.88	\$ 543,000	\$ 58,000	\$ 601,000	-	\$ -	\$ -	\$ -	7	\$ 243,000	2	\$ 305,000	34.81	\$ 2,184,000	\$ 68,000	\$ 2,252,000		
Federal-aid Secondary, rural needs:																						
Present	-	\$ -	\$ -	\$ -	11.3	\$ 102,625	\$ 4,900	\$ 107,525	-	\$ -	\$ -	\$ -	3	\$ 163,000	-	\$ -	11.3	\$ 265,625	\$ 4,900	\$ 270,525		
Future 3/	-	-	-	-	19.5	110,825	-	110,825	-	-	-	-	-	-	-	-	19.5	110,825	-	110,825		
Total	-	\$ -	\$ -	\$ -	30.8	\$ 213,450	\$ 4,900	\$ 218,350	-	\$ -	\$ -	\$ -	3	\$ 163,000	-	\$ -	30.8	\$ 376,450	\$ 4,900	\$ 381,350		
Total, All needs	28.93	\$1,093,000	\$ 10,000	\$1,103,000	36.68	\$ 756,450	\$ 62,900	\$ 819,350	-	\$ -	\$ -	\$ -	10	\$ 406,000	2	\$ 305,000	65.61	\$ 2,560,450	\$ 72,900	\$ 2,633,350		
Stephenson	Primary System, rural needs:																					
	Present	25.06	\$1,023,000	\$ 48,000	\$1,071,000	22.33	\$2,406,000	\$ 237,000	\$2,643,000	1.65	\$ 189,000	\$ 3,000	\$ 192,000	15	\$ 610,000	1	\$ 250,000	49.04	\$ 4,478,000	\$ 288,000	\$ 4,766,000	
	Future 1/	0.67	23,000	-	23,000	-	229,000	-	229,000	0.00	229,000	-	229,000	-	-	1	-	0.67	252,000	-	252,000	
	Total	25.73	\$1,046,000	\$ 48,000	\$1,094,000	22.33	\$2,406,000	\$ 237,000	\$2,643,000	1.65	\$ 418,000	\$ 3,000	\$ 421,000	15	\$ 610,000	1	\$ 250,000	49.71	\$ 4,730,000	\$ 288,000	\$ 5,018,000	
	Primary System, urban needs: 2/																					
	Present	0.85	\$ 36,000	\$ 3,000	\$ 39,000	2.88	\$ 783,000	\$ 86,000	\$ 869,000	1.48	\$ 191,000	\$ 11,000										

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)																						
County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Union	Primary System, rural needs:																					
	Present	10.44	\$ 364,000	\$ 17,000	\$ 381,000	28.43	\$2,680,000	\$ 383,000	\$3,063,000	-	\$ -	\$ -	\$ -	9	\$ 227,000	2	\$ 506,000	38.87	\$ 3,777,000	\$ 400,000	\$ 4,177,000	
	Future 1/	30.06	681,000	4,000	685,000	0.16	27,000	2,000	29,000	-	-	-	-	2	323,000	-	-	30.22	1,031,000	6,000	1,037,000	
	Total	40.50	\$1,045,000	\$ 21,000	\$1,066,000	28.59	\$2,707,000	\$ 385,000	\$3,092,000	-	\$ -	\$ -	\$ -	11	\$ 550,000	2	\$ 506,000	69.09	\$ 4,808,000	\$ 406,000	\$ 5,214,000	
	Primary System, urban needs: 2/																					
	Present	1.33	\$ 49,000	\$ 2,000	\$ 51,000	2.40	\$ 175,000	\$ 38,000	\$ 213,000	1.38	\$147,000	\$ 56,000	\$203,000	1	\$ 17,000	2	\$1,257,000	5.11	\$ 1,645,000	\$ 96,000	\$ 1,741,000	
	Future 1/	4.22	77,000	-	77,000	-	-	-	-	-	-	-	-	-	-	-	-	4.22	77,000	-	77,000	
	Total	5.55	\$ 126,000	\$ 2,000	\$ 128,000	2.40	\$ 175,000	\$ 38,000	\$ 213,000	1.38	\$147,000	\$ 56,000	\$203,000	1	\$ 17,000	2	\$1,257,000	9.33	\$ 1,722,000	\$ 96,000	\$ 1,818,000	
	Total needs, Primary System	46.05	\$1,171,000	\$ 23,000	\$1,194,000	30.99	\$2,882,000	\$ 423,000	\$3,305,000	1.38	\$147,000	\$ 56,000	\$203,000	12	\$ 567,000	4	\$1,763,000	78.42	\$ 6,530,000	\$ 502,000	\$ 7,032,000	
	Federal-aid Secondary, rural needs:																					
Present	14.0	\$ 56,000	\$ -	\$ 56,000	7.0	\$ 83,950	\$ -	\$ 83,950	-	\$ -	\$ -	\$ -	1	\$ 11,700	-	\$ -	21.0	\$ 151,650	\$ -	\$ 151,650		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total	14.0	\$ 56,000	\$ -	\$ 56,000	7.0	\$ 83,950	\$ -	\$ 83,950	-	\$ -	\$ -	\$ -	1	\$ 11,700	-	\$ -	21.0	\$ 151,650	\$ -	\$ 151,650		
Total, All needs	60.05	\$1,227,000	\$ 23,000	\$1,250,000	37.99	\$2,965,950	\$ 423,000	\$3,388,950	1.38	\$147,000	\$ 56,000	\$203,000	13	\$ 578,700	4	\$1,763,000	99.42	\$ 6,681,650	\$ 502,000	\$ 7,183,650		
Vermilion	Primary System, rural needs:																					
	Present	19.35	\$ 749,000	\$168,000	\$ 917,000	23.06	\$2,361,000	\$ 532,000	\$2,893,000	-	\$ -	\$ -	\$ -	9	\$ 562,000	1	\$ 177,000	42.41	\$ 3,849,000	\$ 700,000	\$ 4,549,000	
	Future 1/	35.94	1,233,000	20,000	1,253,000	0.54	96,000	11,000	107,000	1.40	517,000	28,000	545,000	10	268,000	2	221,000	37.88	2,335,000	59,000	2,394,000	
	Total	55.29	\$1,982,000	\$188,000	\$2,170,000	23.60	\$2,457,000	\$ 543,000	\$3,000,000	1.40	\$517,000	\$ 28,000	\$545,000	19	\$ 830,000	3	\$ 398,000	80.29	\$ 6,184,000	\$ 759,000	\$ 6,943,000	
	Primary System, urban needs: 2/																					
	Present	0.88	\$ 66,000	\$ -	\$ 66,000	10.08	\$2,387,000	\$ 905,000	\$3,292,000	0.87	\$116,000	\$ -	\$116,000	1	\$1,035,000	2	\$ 868,000	11.83	\$ 4,472,000	\$ 905,000	\$ 5,377,000	
	Future 1/	2.17	75,000	-	75,000	0.57	146,000	102,000	248,000	-	-	-	-	-	-	-	-	2.74	221,000	102,000	323,000	
	Total	3.05	\$ 141,000	\$ -	\$ 141,000	10.65	\$2,533,000	\$1,007,000	\$3,540,000	0.87	\$116,000	\$ -	\$116,000	1	\$1,035,000	2	\$ 868,000	14.57	\$ 4,693,000	\$1,007,000	\$ 5,700,000	
	Total needs, Primary System	58.34	\$2,123,000	\$188,000	\$2,311,000	34.25	\$4,990,000	\$1,550,000	\$6,540,000	2.27	\$633,000	\$ 28,000	\$661,000	20	\$1,865,000	5	\$1,266,000	94.86	\$10,877,000	\$1,766,000	\$12,643,000	
	Federal-aid Secondary, rural needs:																					
Present	72.9	\$2,275,750	\$ -	\$2,275,750	69.9	\$2,065,850	\$ 150	\$2,066,000	-	\$ -	\$ -	\$ -	13	\$ 382,930	1	\$ 22,000	142.8	\$ 4,746,530	\$ 150	\$ 4,746,680		
Future 3/	-	-	-	-	23.2	354,288	-	354,288	-	-	-	-	-	-	-	-	23.2	354,288	-	354,288		
Total	72.9	\$2,275,750	\$ -	\$2,275,750	93.1	\$2,420,138	\$ 150	\$2,420,288	-	\$ -	\$ -	\$ -	13	\$ 382,930	1	\$ 22,000	166.0	\$ 5,100,818	\$ 150	\$ 5,100,968		
Total, All needs	131.24	\$4,398,750	\$188,000	\$4,586,750	127.35	\$7,410,138	\$1,550,150	\$8,960,288	2.27	\$633,000	\$ 28,000	\$661,000	33	\$2,247,930	6	\$1,288,000	260.86	\$15,977,818	\$1,766,150	\$17,743,968		
Wabash	Primary System, rural needs:																					
	Present	8.71	\$ 334,000	\$ 66,000	\$ 400,000	10.40	\$ 755,000	\$ 101,000	\$ 856,000	-	\$ -	\$ -	\$ -	8	\$ 311,000	-	\$ -	19.11	\$ 1,400,000	\$ 167,000	\$ 1,567,000	
	Future 1/	5.46	222,000	38,000	260,000	-	-	-	-	-	-	-	-	8	-	-	-	5.46	222,000	38,000	260,000	
	Total	14.17	\$ 556,000	\$104,000	\$ 660,000	10.40	\$ 755,000	\$ 101,000	\$ 856,000	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	24.57	\$ 1,622,000	\$ 205,000	\$ 1,827,000	
	Primary System, urban needs: 2/																					
	Present	0.11	\$ 5,000	\$ 2,000	\$ 7,000	-	\$ -	\$ -	\$ -	0.60	\$ 74,000	\$ -	\$ 74,000	-	\$ -	1	\$ 300,000	0.71	\$ 379,000	\$ 2,000	\$ 381,000	
	Future 1/	0.53	21,000	4,000	25,000	-	-	-	-	0.16	24,000	-	24,000	-	-	-	-	0.69	45,000	4,000	49,000	
	Total	0.64	\$ 26,000	\$ 6,000	\$ 32,000	-	\$ -	\$ -	\$ -	0.76	\$ 98,000	\$ -	\$ 98,000	-	\$ -	1	\$ 300,000	1.40	\$ 424,000	\$ 6,000	\$ 430,000	
	Total needs, Primary System	14.81	\$ 582,000	\$110,000	\$ 692,000	10.40	\$ 755,000	\$ 101,000	\$ 856,000	0.76	\$ 98,000	\$ -	\$ 98,000	8	\$ 311,000	1	\$ 300,000	25.97	\$ 2,046,000	\$ 211,000	\$ 2,257,000	
	Federal-aid Secondary, rural needs:																					
Present	3.8	\$ 35,625	\$ -	\$ 35,625	24.5	\$ 229,650	\$ 5,000	\$ 234,650	-	\$ -	\$ -	\$ -	3	\$ 90,600	-	\$ -	28.3	\$ 355,875	\$ 5,000	\$ 360,875		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-			
Total	3.8	\$ 35,625	\$ -	\$ 35,625	24.5	\$ 229,650	\$ 5,000	\$ 234,650	-	\$ -	\$ -	\$ -	3	\$ 90,600	-	\$ -	28.3	\$ 355,875	\$ 5,000	\$ 360,875		
Total, All needs	18.61	\$ 617,625	\$110,000	\$ 727,625	34.90	\$ 984,650	\$ 106,000	\$1,090,650	0.76	\$ 98,000	\$ -	\$ 98,000	11	\$ 401,600	1	\$ 300,000	54.27	\$ 2,401,875	\$ 216,000	\$ 2,617,875		
Warren	Primary System, rural needs:																					
	Present	40.65	\$1,831,000	\$230,000	\$2,061,000	13.69	\$1,176,000	\$ 207,000	\$1,383,000	-	\$ -	\$ -	\$ -	9	\$ 343,000	2	\$ 329,000	54.34	\$ 3,679,000	\$ 437,000	\$ 4,116,000	
	Future 1/																					

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(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Wayne	Primary System, rural needs:	31.02	\$1,210,000	\$164,000	\$1,374,000	14.66	\$1,240,000	\$165,000	\$1,405,000	0.26	\$ 61,000	\$ 5,000	\$ 66,000	28	\$ 898,000	-	\$ -	45.94	\$ 3,409,000	\$ 334,000	\$ 3,743,000	Wayne
	Present	0.14	2,000	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	0.14	2,000	-	2,000	
	Future 1/	31.16	\$1,212,000	\$164,000	\$1,376,000	14.66	\$1,240,000	\$165,000	\$1,405,000	0.26	\$ 61,000	\$ 5,000	\$ 66,000	28	\$ 898,000	-	\$ -	46.08	\$ 3,411,000	\$ 334,000	\$ 3,745,000	
	Total																					
	Primary System, urban needs: 2/	1.10	\$ 44,000	\$ 7,000	\$ 51,000	0.84	\$ 56,000	\$ 12,000	\$ 68,000	1.78	\$ 508,000	\$ 70,000	\$ 578,000	-	\$ -	-	\$ -	3.72	\$ 608,000	\$ 89,000	\$ 697,000	
	Present	0.49	20,000	3,000	23,000	-	-	-	-	0.35	51,000	-	51,000	-	-	-	-	0.84	71,000	3,000	74,000	
	Future 1/	1.59	\$ 64,000	\$ 10,000	\$ 74,000	0.84	\$ 56,000	\$ 12,000	\$ 68,000	2.13	\$ 559,000	\$ 70,000	\$ 629,000	-	\$ -	-	\$ -	4.56	\$ 679,000	\$ 92,000	\$ 771,000	
Total																						
Total needs, Primary System	32.75	\$1,276,000	\$174,000	\$1,450,000	15.50	\$1,296,000	\$177,000	\$1,473,000	2.39	\$ 620,000	\$ 75,000	\$ 695,000	28	\$ 898,000	-	\$ -	50.64	\$ 4,090,000	\$ 426,000	\$ 4,516,000		
Federal-aid Secondary, rural needs:	-	\$ -	\$ -	\$ -	47.9	\$ 606,060	\$ 440	\$ 606,500	-	\$ -	\$ -	\$ -	3	\$ 143,600	-	\$ -	47.9	\$ 749,660	\$ 440	\$ 750,100		
Present	-	-	-	-	16.7	180,430	-	180,430	-	-	-	-	3	40,400	-	-	16.7	220,830	-	220,830		
Future 3/	-	-	-	-	64.6	\$ 786,490	\$ 440	\$ 786,930	-	\$ -	\$ -	\$ -	6	\$ 184,000	-	\$ -	64.6	\$ 970,490	\$ 440	\$ 970,930		
Total																						
Total, All needs	32.75	\$1,276,000	\$174,000	\$1,450,000	80.10	\$2,082,490	\$177,440	\$2,259,930	2.39	\$ 620,000	\$ 75,000	\$ 695,000	34	\$1,082,000	-	\$ -	115.24	\$ 5,060,490	\$ 426,440	\$ 5,486,930		
White	Primary System, rural needs:	32.93	\$1,389,000	\$229,000	\$1,618,000	13.28	\$1,330,000	\$124,000	\$1,454,000	1.39	\$ 230,000	\$ 19,000	\$ 249,000	18	\$ 412,000	2	\$ 743,000	47.60	\$ 4,104,000	\$ 372,000	\$ 4,476,000	White
	Present	6.95	234,000	-	234,000	-	-	-	-	0.19	42,000	8,000	50,000	-	-	-	-	7.14	276,000	8,000	284,000	
	Future 1/	39.88	\$1,623,000	\$229,000	\$1,852,000	13.28	\$1,330,000	\$124,000	\$1,454,000	1.58	\$ 272,000	\$ 27,000	\$ 299,000	18	\$ 412,000	2	\$ 743,000	54.74	\$ 4,380,000	\$ 380,000	\$ 4,760,000	
	Total																					
	Primary System, urban needs: 2/	1.16	\$ 55,000	\$ 16,000	\$ 71,000	0.16	\$ 16,000	\$ 1,000	\$ 17,000	3.20	\$ 574,000	\$ 55,000	\$ 629,000	1	\$ 270,000	-	\$ -	4.52	\$ 915,000	\$ 72,000	\$ 987,000	
	Present	0.88	32,000	3,000	35,000	-	-	-	-	0.65	103,000	6,000	109,000	-	-	-	-	1.53	135,000	9,000	144,000	
	Future 1/	2.04	\$ 87,000	\$ 19,000	\$ 106,000	0.16	\$ 16,000	\$ 1,000	\$ 17,000	3.85	\$ 677,000	\$ 61,000	\$ 738,000	1	\$ 270,000	-	\$ -	6.05	\$ 1,050,000	\$ 81,000	\$ 1,131,000	
Total																						
Total needs, Primary System	41.92	\$1,710,000	\$248,000	\$1,958,000	13.44	\$1,346,000	\$125,000	\$1,471,000	5.43	\$ 949,000	\$ 88,000	\$1,037,000	19	\$ 682,000	2	\$ 743,000	60.79	\$ 5,430,000	\$ 461,000	\$ 5,891,000		
Federal-aid Secondary, rural needs:	-	\$ -	\$ -	\$ -	58.3	\$ 629,430	\$ 33,909	\$ 663,339	-	\$ -	\$ -	\$ -	8	\$ 395,050	-	\$ -	58.3	\$ 1,024,480	\$ 33,909	\$ 1,058,389		
Present	-	-	-	-	58.3	\$ 629,430	\$ 33,909	\$ 663,339	-	\$ -	\$ -	\$ -	8	\$ 395,050	-	\$ -	58.3	\$ 1,024,480	\$ 33,909	\$ 1,058,389		
Future 3/	-	-	-	-																		
Total																						
Total, All needs	41.92	\$1,710,000	\$248,000	\$1,958,000	71.74	\$1,975,430	\$158,909	\$2,134,339	5.43	\$ 949,000	\$ 88,000	\$1,037,000	27	\$1,077,050	2	\$ 743,000	119.09	\$ 6,454,480	\$ 494,909	\$ 6,949,389		
Whiteside	Primary System, rural needs:	9.61	\$ 471,000	\$ 25,000	\$ 496,000	32.25	\$3,137,000	\$367,000	\$3,504,000	1.30	\$ 174,000	\$ -	\$ 174,000	13	\$ 507,000	3	\$1,554,000	43.16	\$ 5,843,000	\$ 392,000	\$ 6,235,000	Whiteside
	Present	23.82	769,000	49,000	818,000	-	-	-	-	-	-	-	-	1	12,000	-	-	23.82	781,000	49,000	830,000	
	Future 1/	33.43	\$1,240,000	\$ 74,000	\$1,314,000	32.25	\$3,137,000	\$367,000	\$3,504,000	1.30	\$ 174,000	\$ -	\$ 174,000	14	\$ 519,000	3	\$1,554,000	66.98	\$ 6,624,000	\$ 441,000	\$ 7,065,000	
	Total																					
	Primary System, urban needs: 2/	1.57	\$ 58,000	\$ 5,000	\$ 63,000	1.60	\$ 196,000	\$ 5,000	\$ 201,000	4.12	\$ 580,000	\$ -	\$ 580,000	1	\$ 506,000	1	\$ 337,000	7.29	\$ 1,677,000	\$ 10,000	\$ 1,687,000	
	Present	2.33	88,000	3,000	91,000	-	-	-	-	-	-	-	-	-	-	-	-	2.33	88,000	3,000	91,000	
	Future 1/	3.90	\$ 146,000	\$ 8,000	\$ 154,000	1.60	\$ 196,000	\$ 5,000	\$ 201,000	4.12	\$ 580,000	\$ -	\$ 580,000	1	\$ 506,000	1	\$ 337,000	9.62	\$ 1,765,000	\$ 13,000	\$ 1,778,000	
Total																						
Total needs, Primary System	37.33	\$1,386,000	\$ 82,000	\$1,468,000	33.85	\$3,333,000	\$372,000	\$3,705,000	5.42	\$ 754,000	\$ -	\$ 754,000	15	\$1,025,000	4	\$1,891,000	76.60	\$ 8,389,000	\$ 454,000	\$ 8,843,000		
Federal-aid Secondary, rural needs:	20.0	\$ 132,640	\$ -	\$ 132,640	49.4	\$ 511,660	\$ 24,550	\$ 536,210	-	\$ -	\$ -	\$ -	5	\$ 799,240	-	\$ -	69.4	\$ 1,443,540	\$ 24,550	\$ 1,468,090		
Present	-	-	-	-	6.0	45,900	-	45,900	-	-	-	-	-	-	-	-	6.0	45,900	-	45,900		
Future 3/	20.0	\$ 132,640	\$ -	\$ 132,640	55.4	\$ 557,560	\$ 24,550	\$ 582,110	-	\$ -	\$ -	\$ -	5	\$ 799,240	-	\$ -	75.4	\$ 1,489,440	\$ 24,550	\$ 1,513,990		
Total																						
Total, All needs	57.33	\$1,518,640	\$ 82,000	\$1,600,640	89.25	\$3,890,560	\$396,550	\$4,287,110	5.42	\$ 754,000	\$ -	\$ 754,000	20	\$1,824,240	4	\$1,891,000	152.00	\$ 9,878,440	\$ 478,550	\$10,356,990		
Will	Primary System, rural needs:	35.42	\$1,699,000	\$202,000	\$1,901,000	17.57	\$3,714,000	\$439,000	\$4,153,000	15.45	\$2,208,000	\$ 229,000	\$2,437,000	11	\$ 808,000	5	\$1,176,000	68.44	\$ 9,605,000	\$ 870,000	\$10,475,000	Will
	Present	55.33																				

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IMPROVEMENTS NEEDED TO MEET PRESENT DEFICIENCIES OF THE PRIMARY AND FEDERAL-AID SECONDARY HIGHWAY SYSTEMS AND THOSE ESTIMATED TO OCCUR IN THE PERIOD 1952 TO 1960, INCLUSIVE.

(Reported in the Survey of Highway Needs of January 1, 1950 as revised to show effect of contracts awarded to December 1, 1950.)

County	System	Resurfacing with or without Widening				Construction or Reconstruction on Same or New Grade and Alignment				Additional Traffic or Parking Lanes with or without Resurfacing Existing Pavement				Bridge Construction Reconstruction or Widening		Railroad-highway & Highway-highway Structures		Total All Work				County
		Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	Number	Total Cost	Number	Total Cost	Miles	Construction Cost	Right-of-way Cost	Total Cost	
Winnebago	Primary System, rural needs:																					
	Present	21.16	\$ 922,000	\$ 148,000	\$ 1,070,000	16.01	\$ 2,228,000	\$ 474,000	\$ 2,702,000	8.73	\$ 1,387,000	\$ -	\$ 1,387,000	4	\$ 346,000	2	\$ 465,000	45.90	\$ 5,348,000	\$ 622,000	\$ 5,970,000	
	Future 1/	8.64	287,000	-	287,000	1.23	220,000	36,000	256,000	7.21	1,150,000	146,000	1,296,000	3	65,000	-	-	17.08	1,722,000	182,000	1,904,000	
	Total	29.80	\$ 1,209,000	\$ 148,000	\$ 1,357,000	17.24	\$ 2,448,000	\$ 510,000	\$ 2,958,000	15.94	\$ 2,537,000	\$ 146,000	\$ 2,683,000	7	\$ 411,000	2	\$ 465,000	62.98	\$ 7,070,000	\$ 804,000	\$ 7,874,000	
	Primary System, urban needs: 2/																					
	Present	0.40	\$ 62,000	\$ -	\$ 62,000	7.53	\$ 1,776,000	\$ 987,000	\$ 2,763,000	9.78	\$ 1,433,000	\$ -	\$ 1,433,000	5	\$ 913,000	3	\$ 1,237,000	17.71	\$ 5,421,000	\$ 987,000	\$ 6,408,000	
	Future 1/	1.90	71,000	-	71,000	-	-	-	-	0.30	394,000	6,000	400,000	1	102,000	-	-	2.20	567,000	6,000	573,000	
	Total	2.30	\$ 133,000	\$ -	\$ 133,000	7.53	\$ 1,776,000	\$ 987,000	\$ 2,763,000	10.08	\$ 1,827,000	\$ 6,000	\$ 1,833,000	6	\$ 1,015,000	3	\$ 1,237,000	19.91	\$ 5,988,000	\$ 993,000	\$ 6,981,000	
	Total needs, Primary System	32.10	\$ 1,342,000	\$ 148,000	\$ 1,490,000	24.77	\$ 4,224,000	\$ 1,497,000	\$ 5,721,000	26.02	\$ 4,364,000	\$ 152,000	\$ 4,516,000	13	\$ 1,426,000	5	\$ 1,702,000	82.89	\$ 13,058,000	\$ 1,797,000	\$ 14,855,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	4.0	\$ 81,520	\$ 3,300	\$ 84,820	-	\$ -	\$ -	\$ -	-	\$ -	-	\$ -	4.0	\$ 81,520	\$ 3,300	\$ 84,820		
Future 3/	-	-	-	-	-	-	-	-	-	-	-	-	-	1	128,000	-	-	0.00	128,000	-	128,000	
Total	-	\$ -	\$ -	\$ -	4.0	\$ 81,520	\$ 3,300	\$ 84,820	-	\$ -	\$ -	\$ -	1	\$ 128,000	-	\$ -	4.0	\$ 209,520	\$ 3,300	\$ 212,820		
Total, All needs	32.10	\$ 1,342,000	\$ 148,000	\$ 1,490,000	28.77	\$ 4,305,520	\$ 1,500,300	\$ 5,805,820	26.02	\$ 4,364,000	\$ 152,000	\$ 4,516,000	14	\$ 1,554,000	5	\$ 1,702,000	86.89	\$ 13,267,520	\$ 1,800,300	\$ 15,067,820		
Woodford	Primary System, rural needs:																					
	Present	49.22	\$ 2,144,000	\$ 127,000	\$ 2,271,000	16.06	\$ 1,404,000	\$ 159,000	\$ 1,623,000	0.05	\$ 5,000	\$ -	\$ 5,000	9	\$ 546,000	-	\$ -	65.33	\$ 4,159,000	\$ 286,000	\$ 4,445,000	
	Future 1/	28.76	641,000	6,000	647,000	-	-	-	-	-	-	-	-	2	85,000	-	-	28.76	726,000	6,000	732,000	
	Total	77.98	\$ 2,785,000	\$ 133,000	\$ 2,918,000	16.06	\$ 1,404,000	\$ 159,000	\$ 1,623,000	0.05	\$ 5,000	\$ -	\$ 5,000	11	\$ 631,000	-	\$ -	94.09	\$ 4,885,000	\$ 292,000	\$ 5,177,000	
	Primary System, urban needs: 2/																					
	Present	2.96	\$ 159,000	\$ 12,000	\$ 171,000	2.09	\$ 257,000	\$ 41,000	\$ 298,000	0.94	\$ 68,000	\$ -	\$ 68,000	-	\$ -	-	\$ -	5.99	\$ 484,000	\$ 53,000	\$ 537,000	
	Future 1/	0.87	11,000	-	11,000	-	-	-	-	-	-	-	-	-	-	-	-	0.87	11,000	-	11,000	
	Total	3.83	\$ 170,000	\$ 12,000	\$ 182,000	2.09	\$ 257,000	\$ 41,000	\$ 298,000	0.94	\$ 68,000	\$ -	\$ 68,000	-	\$ -	-	\$ -	6.86	\$ 495,000	\$ 53,000	\$ 548,000	
	Total needs, Primary System	81.81	\$ 2,955,000	\$ 145,000	\$ 3,100,000	18.15	\$ 1,721,000	\$ 200,000	\$ 1,921,000	0.99	\$ 73,000	\$ -	\$ 73,000	11	\$ 631,000	-	\$ -	100.95	\$ 5,380,000	\$ 345,000	\$ 5,725,000	
	Federal-aid Secondary, rural needs:																					
Present	-	\$ -	\$ -	\$ -	51.6	\$ 833,110	\$ 1,440	\$ 834,550	-	\$ -	\$ -	\$ -	2	\$ 86,820	-	\$ -	51.6	\$ 919,930	\$ 1,440	\$ 921,370		
Future 3/	-	-	-	-	4.0	19,600	-	19,600	-	-	-	-	-	-	-	-	4.0	19,600	-	19,600		
Total	-	\$ -	\$ -	\$ -	55.6	\$ 852,710	\$ 1,440	\$ 854,150	-	\$ -	\$ -	\$ -	2	\$ 86,820	-	\$ -	55.6	\$ 939,530	\$ 1,440	\$ 940,970		
Total, All needs	81.81	\$ 2,955,000	\$ 145,000	\$ 3,100,000	73.75	\$ 2,573,710	\$ 201,440	\$ 2,775,150	0.99	\$ 73,000	\$ -	\$ 73,000	13	\$ 717,820	-	\$ -	156.55	\$ 6,319,530	\$ 346,440	\$ 6,665,970		
Total, Not including Expressway Needs	Primary System, rural needs:																					
	Present	2342.14	\$ 95,506,000	\$10,337,000	\$105,843,000	1771.35	\$211,132,000	\$37,329,000	\$248,461,000	193.86	\$ 24,124,000	\$ 2,921,000	\$ 27,045,000	940	\$65,519,000	303	\$69,800,000	4307.35	\$ 466,081,000	\$ 50,587,000	\$ 516,668,000	
	Future 1/	1736.66	56,703,000	2,732,000	59,435,000	78.32	10,519,000	1,146,000	11,665,000	168.84	38,865,000	2,195,000	41,060,000	347	16,720,000	51	9,990,000	1983.82	132,797,000	6,073,000	138,870,000	
	Total	4078.80	\$152,209,000	\$13,069,000	\$165,278,000	1849.67	\$221,651,000	\$38,475,000	\$260,126,000	362.70	\$ 62,989,000	\$ 5,116,000	\$ 68,105,000	1287	\$82,239,000	354	\$79,790,000	6291.17	\$ 598,878,000	\$ 56,660,000	\$ 655,538,000	
	Primary System, urban needs: 2/																					
	Present	229.08	\$ 12,863,000	\$ 616,000	\$ 13,479,000	229.83	\$ 44,461,000	\$12,790,000	\$ 57,251,000	272.71	\$ 40,623,000	\$ 7,484,000	\$ 48,107,000	77	\$17,005,000	234	\$95,037,000	731.62	\$ 209,989,000	\$ 20,890,000	\$ 230,879,000	
	Future 1/	201.66	8,673,000	110,000	8,783,000	24.27	4,507,000	537,000	5,044,000	32.69	6,667,000	537,000	7,204,000	11	779,000	39	17,641,000	258.62	38,267,000	1,184,000	39,451,000	
	Total	430.74	\$ 21,536,000	\$ 726,000	\$ 22,262,000	254.10	\$ 48,968,000	\$13,327,000	\$ 62,295,000	305.40	\$ 47,290,000	\$ 8,021,000	\$ 55,311,000	88	\$17,784,000	273	\$112,678,000	990.24	\$ 248,256,000	\$ 22,074,000	\$ 270,330,000	
	Total needs, Primary System	4509.54	\$173,745,000	\$13,795,000	\$187,540,000	2103.77	\$270,619,000	\$51,802,000	\$322,421,000	668.10	\$110,279,000	\$13,137,000	\$123,416,000	1375	\$100,023,000	627	\$192,468,000	7281.41	\$ 847,134,000	\$ 78,734,000	\$ 925,868,000	
	Federal-aid Secondary, rural needs:																					
Present	478.5	\$ 6,897,340	\$ 210,225	\$ 7,107,565	3533.6	\$ 49,270,897	\$ 1,360,211	\$ 50,631,108	-	\$ -	\$ -	\$ -	396	\$ 15,625,740	4	\$ 4/ 558,400	4012.1	\$ 72,352,377	\$ 1,570,436	\$ 73,922,813		
Future 3/	306.9	2,670,208	-	2,670,208	735.6	6,019,334	49,366	6,068,700	-	-	-	-	18	524,250	-	-	1042.5	9,213,792	49,366	9,263,158		
Total	785.4	\$ 9,567,548	\$ 210,225	\$ 9,777,773	4269.2	\$ 55,290,231	\$ 1,409,577	\$ 56,699,808	-	\$ -	\$ -	\$ -	414	\$ 16,149,990	4	\$ 558,400	5054.6	\$ 81,566,169	\$ 1,619,802	\$ 83,185,971		
Total, All needs	5294.94	\$183,312,548	\$14,005,225	\$197,317,773	6372.97	\$325,909,231	\$53,211,577	\$379,120,808	668.10	\$110,279,000	\$13,137,000	\$123,416,000	1789	\$116,172,990	631	\$193,026,400	12336.01	\$ 928,700,169	\$ 80,353,802	\$1,009,053,971		

- 1/ Deficiencies estimated to occur in the period 1952 to 1960, inclusive.  
2/ Primary System urban needs include needs on this system in all incorporated places.  
3/ Deficiencies estimated to occur in the period 1952 to 1955, inclusive.  
4/ Includes flashing lights for 3 railroad grade crossings in Cook County at a total cost of \$25,000.  
5/ Miles shown are the complete mileage having needs but the cost is only the State obligation.

COOK COUNTY EXPRESSWAY NEEDS

(All needs of Cook County Expressways are considered present needs.)

Location of Needs	Total Cook County Expressway Needs				Distribution of Obligation							
					State		County		City		Park District	
	Miles	Construction	Right-of-way	Total	Construction	Right-of-way	Construction	Right-of-way	Construction	Right-of-way	Construction	Right-of-way
Primary System, rural needs	86.71	\$ 89,095,000	\$ 20,532,000	\$109,627,000	\$ 40,967,500	\$ 9,249,500	\$ 48,127,500	\$11,282,500	\$ -	\$ -	\$ -	\$ -
Primary System, urban within Chicago	66.02	\$298,250,182	\$ 78,077,300	\$376,327,482	\$104,687,632	\$33,226,000	\$ 94,822,600	\$21,113,000	\$ 84,989,950	\$21,653,300	\$ 13,750,000	\$ 2,085,000
Primary System, urban outside Chicago	32.06	64,107,500	13,707,600	77,815,100	33,003,000	4,039,600	31,104,500	2,668,000	-	-	-	-
Total urban needs	98.08	\$362,357,682	\$ 91,784,900	\$454,142,582	\$137,690,632	\$37,265,600	\$125,927,100	\$30,781,000	\$ 84,989,950	\$21,653,300	\$ 13,750,000	\$ 2,085,000
Total, All expressway needs	184.79	\$451,452,682	\$112,316,900	\$563,769,582	\$178,658,132	\$46,515,100	\$174,054,600	\$42,063,500	\$ 84,989,950	\$21,653,300	\$ 13,750,000	\$ 2,085,000

STATE OBLIGATION ON COOK COUNTY EXPRESSWAY SYSTEM

Primary System, rural needs:					
Present	5/ 86.71	\$ 40,967,500	\$ 9,249,500	\$ 50,217,000	State obligation of Expressway Needs
Primary System, urban needs:					
Present	5/ 98.08	\$ 137,690,632	\$ 37,265,600	\$ 174,956,232	
Total State obligation	184.79	\$ 178,658,132	\$ 46,515,100	\$ 225,173,232	

NEEDS OF THE PRIMARY, FEDERAL-AID SECONDARY, AND EXPRESSWAY 5/ HIGHWAY SYSTEMS

Primary System, rural needs:					Primary, Federal-aid Secondary, and Expressway Needs 2/
Present	4394.06	\$ 507,048,500	\$ 59,836,500	\$ 566,885,000	
Future 1/	1983.82	132,797,000	6,073,000	138,870,000	
Total	6377.88	\$ 639,845,500	\$ 65,909,500	\$ 705,755,000	
Primary System, urban needs: 2/					
Present	829.70	\$ 347,679,632	\$ 58,155,600	\$ 405,835,232	
Future 1/	258.62	38,267,000	1,184,000	39,451,000	
Total	1088.32	\$ 385,946,632	\$ 59,339,600	\$ 445,286,232	
Total needs, Primary System					
	7466.20	\$1,025,792,132	\$125,249,100	\$1,151,041,232	
Federal-aid Secondary, rural needs:					
Present	4012.1	\$ 72,352,377	\$ 1,570,436	\$ 73,922,813	
Future 3/	1042.5	9,213,792	49,366	9,263,158	
Total	5054.6	\$ 81,566,169	\$ 1,619,802	\$ 83,185,971	
Total, All needs					
	12520.80	\$1,107,358,301	\$126,868,902	\$1,234,227,203	







UNIVERSITY OF ILLINOIS-URBANA



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